JVC®

TV GUIDE Plus+™

Color Television
User's Guide

Illustration of AV-32980 and RM-C752

FOR MODELS:

AV-36980 • AV-32980 • AV-27980

In the spaces below, enter the model and serial number
for your television (located on the rear of the television cabinet).
Staple your sales receipt or invoice to the inside cover of this guide.
Keep this user's guide in a convenient place for future reference.
Keep the carton and original packaging for future use.

Model Number

Serial Number

IMPORTANT SAFETY PRECAUTIONS

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: To reduce the risk of electric shock. do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS TV SET TO RAIN OR MOISTURE.

CAUTION: TO INSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS UNIT.

1. Operate only from the power source specified on the unit.
2. Avoid damaging the AC plug and power cord.
3. Avoid Improper installation and never position the unit where good ventilation is unattainable.
4. Do not allow objects or liquid into the cabinet openings.
5. In the event of trouble, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

Changes or modifications not approved by JVC could void the warranty.

* When you don't use this TV set for a long period of time, be sure to disconnect both the power plug from the AC outlet and antenna for your safety.

* To prevent electric shock do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

IMPORTANT SAFEGUARDS

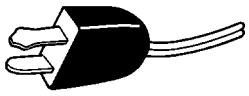
CAUTION:

Please read and retain for your safety.
Electrical energy can perform many useful functions. This TV set has been engineered and manufactured to assure your personal safety. But *improper use can result in potential electrical shock or fire hazards.* In order not to defeat the safeguards incorporated in this TV set, observe the following basic rules for its installation, use and servicing.
And also follow all warnings and instructions marked on your TV set.

INSTALLATION

1 Your TV set is equipped with a polarized AC line plug (one blade of the plug is wider than the other).

(POLARIZED-TYPE)



This safety feature allows the plug to fit into the power outlet only one way. Should you be unable to insert the plug fully into the outlet, try reversing the plug.
Should it still fail to fit, contact your electrician.

2 Operate the TV set only from a power source as indicated on the TV set or refer to the operating instructions for this information. If you are not sure of the type of power supply to your home, consult your TV set dealer or local power company. For battery operation, refer to the operating instructions.

3 Overloaded AC outlets and extension cords are dangerous, and so are frayed power cords and broken plugs. They may result in a shock or fire hazard. Call your service technician for replacement.

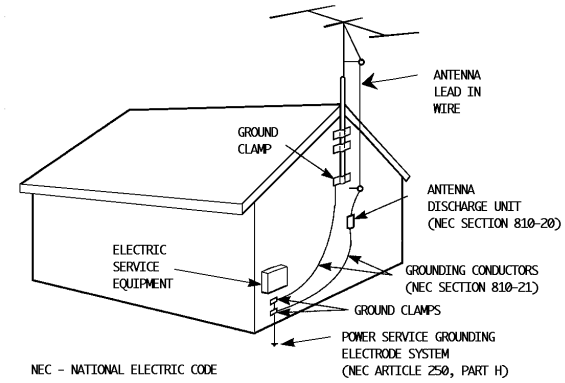
4 Do not allow anything to rest on or roll over the power cord, and do not place the TV set where power cord is subject to traffic or abuse. This may result in a shock or fire hazard.

5 Do not use this TV set near water — for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near swimming pool, etc.

6 If an outside antenna is connected to the TV set, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection requirements for the grounding electrode.

7 An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE


ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
ELECTRIC SERVICE EQUIPMENT
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ARTICLE 250, PART H)
NEC - NATIONAL ELECTRIC CODE

8 TV sets are provided with ventilation openings in the cabinet to allow heat generated during operation to be released. Therefore:
- — Never block the bottom ventilation slots of a portable TV set by placing it on a bed, sofa, rug, etc.
- — Never place a TV set in a “built-in” enclosure unless proper ventilation is provided.
- — Never cover the openings with a cloth or other material.
- — Never place the TV set near or over a radiator or heat register.

9 To avoid personal injury:
- — Do not place a TV set on a sloping shelf unless properly secured.
- — Use only a cart or stand recommended by the TV set manufacturer.
- — Do not try to roll a cart with small casters across thresholds or deep pile carpets.
- — Wall or shelf mounting should follow the manufacturer’s instructions, and should use a mounting kit approved by the manufacturer.

USE

10 Caution children about dropping or pushing objects into the TV set through cabinet openings. Some internal parts carry hazardous voltages and contact can result in a fire or electrical shock.

11 Unplug the TV set from the wall outlet before cleaning. Do not use liquid or an aerosol cleaner.

12 Never add accessories to a TV set that has not been designed for this purpose. Such additions may result in a hazard.

13 For added protection of the TV set during a lightning storm or when the TV set is to be left unattended for an extended period of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to product due to lightning storms or power line surges.

14 A TV set and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the TV set and cart combination to overturn.

SERVICE

15 Unplug this TV set from the wall outlet and refer servicing to qualified service personnel under the following conditions:
- A. When the power cord or plug is damaged or frayed.
- B. If liquid has been spilled into the TV set.
- C. If the TV set has been exposed to rain or water.
- D. If the TV set does not operate normally by following the operating instructions. Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the TV set to normal operation.
- E. If the TV set has been dropped or damaged in any way.
- F. When the TV set exhibits a distinct change in performance — this indicates a need for service.

16 Do not attempt to service this TV set yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

17 When replacement parts are required, have the service technician verify in writing that the replacement parts he uses have the same safety characteristics as the original parts. Use of manufacturer’s specified replacement parts can prevent fire, shock, or other hazards.

18 Upon completion of any service or repairs to this TV set, please ask the service technician to perform the safety check described in the manufacturer’s service literature.

19 When a TV set reaches the end of its useful life, improper disposal could result in a picture tube implosion. Ask a qualified service technician to dispose of the TV set.

20 Note to CATV system installer.
This reminder is provided to call the CATV system installer’s attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

TABLE OF CONTENTS

CONNECTIONS

Connections Checklist 5
Front & Rear Panel Diagrams 6
TV Guide Plus+ Setup 7
Cable & Antenna Connections 7
Audio/Video Connections — Stereo 9
Connecting to a Camcorder 9
Connecting S-VHS Accessories
(VCR or Camcorder) 10
Connecting to an External Amplifier 10
Connecting to JVC AV Compu Link
Capable Components 11

GETTING STARTED

Remote Control 12
Power 13
Adjusting Volume 13
Changing Channels 13
Setting the CATV and VCR codes 14
Symbols Used in this Guide 16
Plugging In Your New TV 16
Plug In Menu 17
Language
Auto Tuner Setup
TV Guide Plus+ Setup
Finish

TV GUIDE PLUS+ SETUP

Setting Up TV Guide Plus+ 18
Cable Box & VCR Brand List 20
Channel Mapping 22
TV Guide Plus+ Messages 23
Using TV Guide Plus+. 24
Surfing 25
What's Next. 26
Scanning 27
Sorting 28
Recording. 29
Special TV Guide Plus+ Features 31

MENU FUNCTIONS

Onscreen Menus. 32
Initial Setup 33
TV Guide Plus+ Options Menu
TV Guide Plus+ Demo
Channel Summary 34
Channel Guard-Lock
Picture Adjust 35
Tint
Color
Picture
Bright
Detail
Notch
Noise Muting
Set Video Status
Sound Adjust 36
Bass
Treble
Balance
MTS (Multi-channel Stereo Sound)
Some Sound Advice
Clock/Timers 37
Set Clock
On/Off Timer 38
Set Lock Code
Initial Setup 39
TV Speaker
Audio Out
Closed Caption

BUTTON FUNCTIONS

Display 40
Closed Caption 40
Video Status 40
Sleep Timer 40
Hyper Surround 41
TV/Video 41
100+ 41
VCR Buttons 41
Menu Buttons 41
Muting 41
Return+. 41
Number Buttons (10 Key Pad) 41
PIP (Picture In Picture) 42
Channel -/+ for PIP 42
Source 42
Freeze 42
Swap 42
Move 42

APPENDICES

Troubleshooting 43
Limited Warranty 44
Authorized Service Centers 45
Specifications 46

The Connections Checklist — Read Me First! section of this guide is a list of ideas to keep in mind when you set out to perform your connections. It is designed to help us not-so-technically-advanced individuals. If you read this section, and can't identify the plugs, connectors, and components you have, do not be afraid to seek help.

1) **Refer to the connection instructions in the user's guide for each component you plan to connect.** They will provide more detailed information about their products, and they will tell you what plugs and cables are required.

2) **Most A/V input jacks and plugs are color coded:**
   - Yellow plugs are Video connections
   - Red plugs are for Right Audio connections
   - White plugs are Left Audio (Mono) connections

3) **Perform one hookup at a time.** If you have many accessories to connect, make sure each connection is correct by checking to see that it works properly before attempting the next connection. (For example, always start with the RF or Cable connections, make sure it works, then move on to video or VCR connections.)

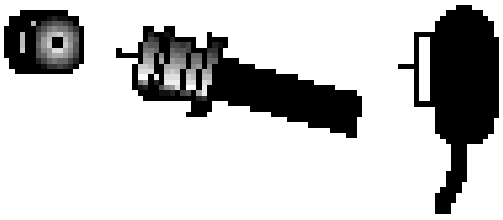
4) **Unplug the power cord between each connection.**

5) **Each jack on the back of the TV is labeled.** If you read these instructions and still do not fully understand the connections process, seek assistance.

6) **The IR Mouse lets TV Guide Plus+ control your cable box and/or your VCR.** You must place the transmitter of the IR Mouse in front of the corresponding window on the cable box or VCR.

7) **The AV Compu Link Cable is supplied with the JVC device which you want to connect.** If you do not have one, but you do have a JVC Compu Link capable VCR or HiFi, contact your local JVC dealer.

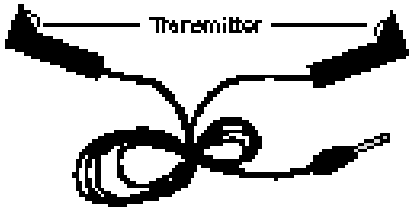
RF Connectors



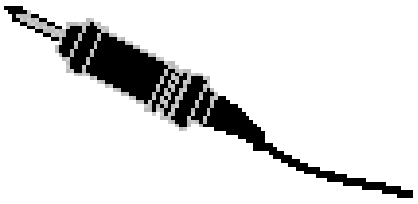
S-Video Plug

A/V Input Plug

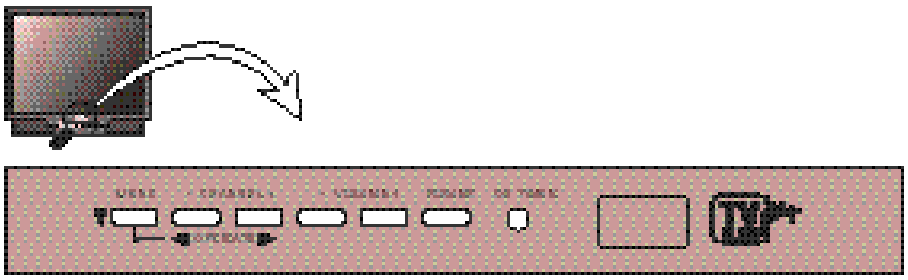
IR Mouse



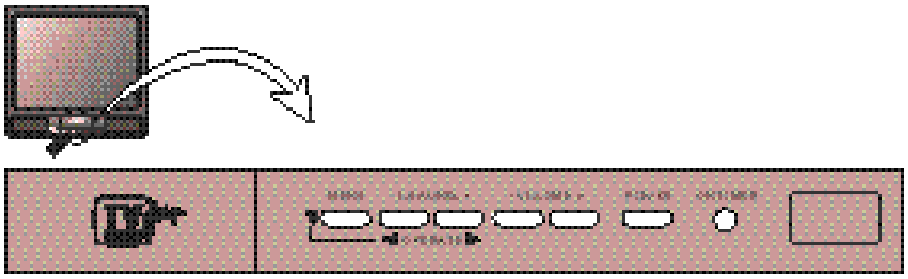
AV Compu Link Cable



FRONT PANEL DIAGRAMS

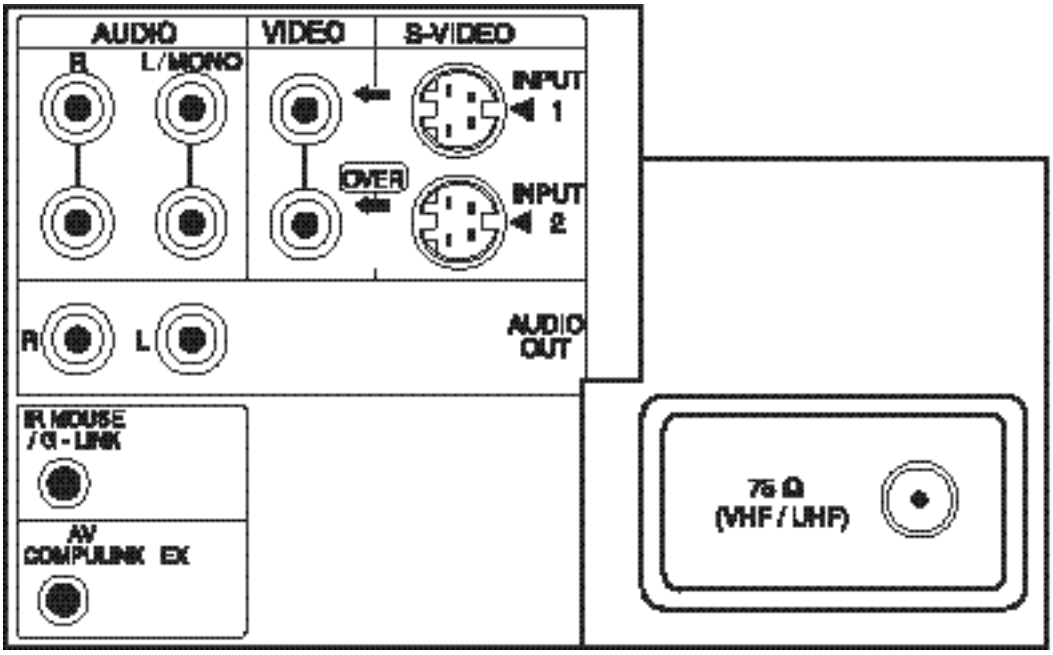


FRONT PANEL DIAGRAM
AV-32980 • AV-27980



FRONT PANEL DIAGRAM
AV-36980

REAR PANEL DIAGRAM



REAR PANEL DIAGRAM
Common to all models in this book.

TV GUIDE PLUS+ SETUP

TV Guide Plus+ requires a certain hookup to properly function. It requires that the TV, the VCR, and the cable box be connected in a certain, specific manner. We have provided very specific diagrams on the next 5 pages. Please follow them exactly in order to insure that TV Guide Plus+ works properly.

CABLE & ANTENNA CONNECTIONS

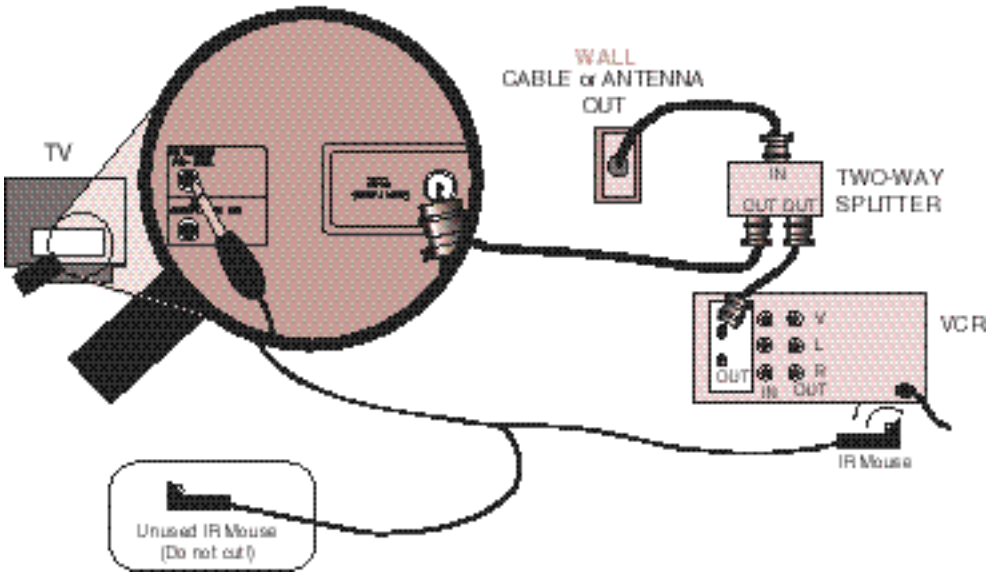
There are three basic types of antenna or cable hookups.

#1. If you have an antenna, or have a cable TV system that does not require you to utilize a cable box, follow diagram #1 (this page).

#2. If you have a cable system that requires you to use a cable box to tune any or all channels use diagram #2 (next page).

#3. If you have a video output on your cable box, refer to diagram #3 (next page).

#1 No Cable Box Required

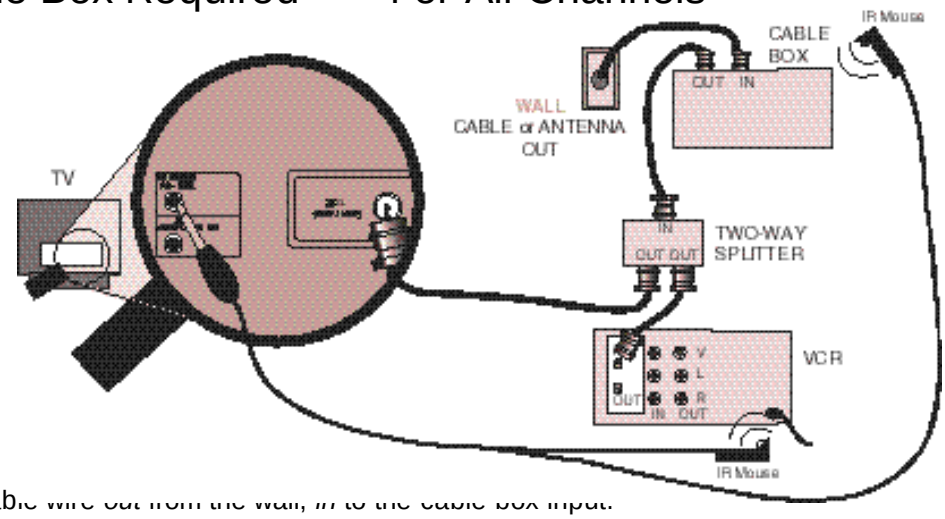


1) Connect cable or antenna wire *out* from wall, *in* to splitter RF input.
2) Connect wire *out* from splitter RF output, *in* to TV RF input.
3) Connect wire *out* from splitter RF output, *in* to VCR RF input.

NOTES: A) In order for TV Guide Plus+ to control the VCR, put one IR Mouse in front of the remote control infrared receiver window of the VCR.
B) Since this arrangement does not require you to use a cable box, DO NOT cut off the second IR Mouse. Roll up the wire, and place the second mouse behind the TV.
C) You must connect the VCR to the TV using Audio/Video connections (see page 9).

❒ *Refer to the VCR instructions regarding its connections.*

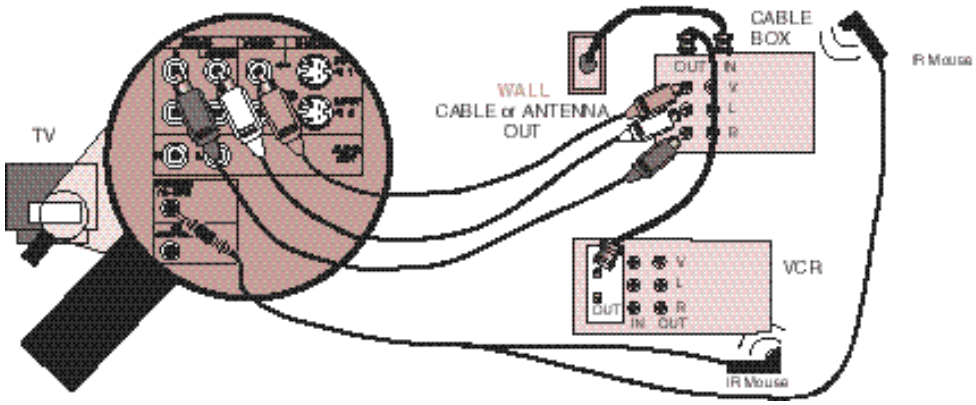
#2 Cable Box Required For All Channels



1) Connect cable wire *out* from the wall, *in* to the cable box input.
2) Connect cable wire *out* from cable box, *in* to the splitter RF input.
3) Connect cable wire *out* from splitter RF output, *in* to the TV RF input.
4) Connect cable wire *out* from splitter RF output, *in* to the VCR RF input.

NOTE: A) In order for TV Guide Plus+ to control the VCR and the cable box, put one IR Mouse in front of the remote infrared receiver window of each device.
B) You must connect the VCR to the TV using audio/video connections (see page 9).
C) When you connect cable box and VCR as shown in the above, you must set the channel of VCR to RF output of cable box after you finished TV Guide Plus+ Setup from page 18 to page 22.

#3 Cable Box Required but with Cable Box Video Output

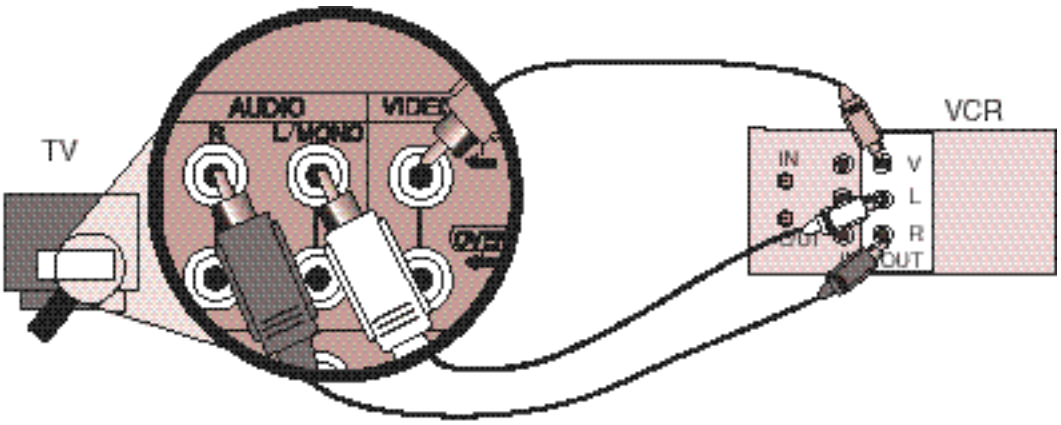


1) Cable wire *out* from wall, *in* to cable box RF input.
2) *Out* from cable box RF output, *in* to VCR RF input.
3) Yellow video cable *out* from cable box video output, *in* to TV video Input 1.
4) White audio cable *out* from cable box Left Audio output, *in* to TV Left Audio input jack.
5) Red audio cable *out* from cable box Right Audio output, *in* to TV Right Audio input jack.

NOTE: A) In order for TV Guide Plus+ to control the VCR and the cable box, put one IR Mouse in front of the remote infrared receiver window of each device.
B) You must connect the VCR to the TV using audio/video connections (see page 9).
C) You connect the video output from cable box to Video Input 1 of the TV. If you connect to Video Input 2, it cannot download the TV Guide Plus+ data. In the TV Guide Plus+ Setup,Step 7, you will need to set the output of cable box to "O/AUX".
D) When you connect cable box and VCR as shown in the above, you must set the channel of VCR to RF output of cable box after you finished TV Guide Plus+ Setup from page 18 to page 22.

AUDIO/VIDEO CONNECTIONS — STEREO

To get stereo sound from a hi-fi stereo VCR, you must connect it to the TV with Audio/Video cables. To get the best picture quality from any VCR, you should connect it to the TV with Audio/Video cables.

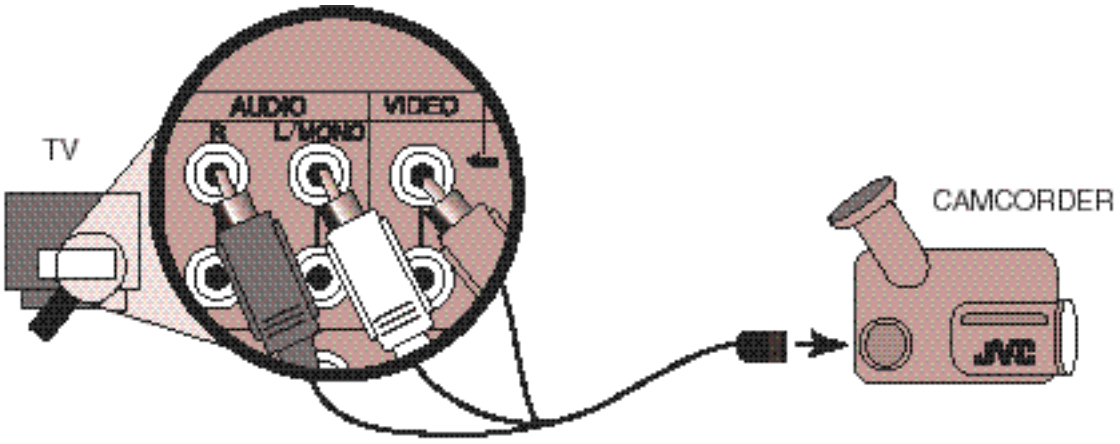


1) Yellow video cable *out* from VCR, *in* to TV Video input jack.
2) White audio cable *out* from VCR Left Audio output, *in* to TV Left Audio input jack.
3) Red audio cable *out* from VCR Right Audio output, *in* to TV Right Audio input jack.

NOTE: If your VCR is mono, it has only one audio out jack. Connect it to the TV L/Mono input.

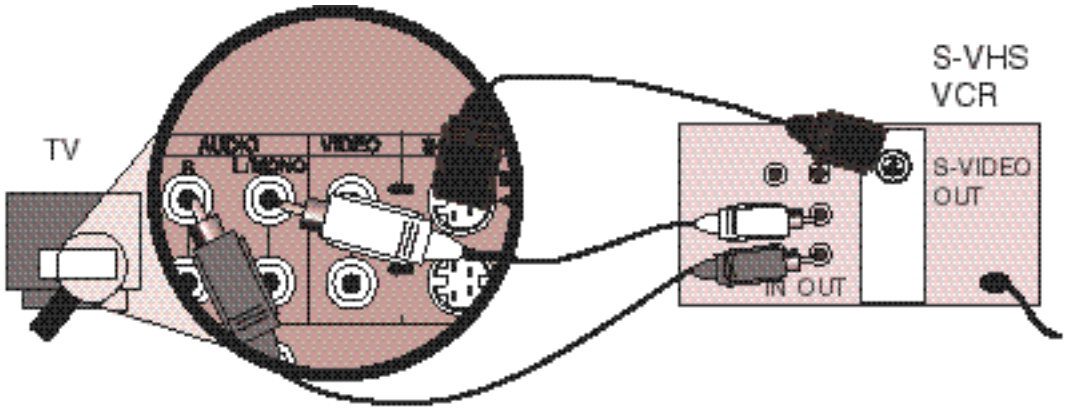
CONNECTING TO A CAMCORDER

Play your home movies back through your TV by connecting your camcorder to the TV's A/V Inputs.



1) White audio cable *out* from camcorder, *in* to TV Left Audio input jack.
2) Yellow video cable *out* from camcorder, *in* to TV Video input jack.
3) If you have a stereo model camcorder, connect the Red Audio cable *out* from the camcorder, *in* to the TV Right Audio input jack.

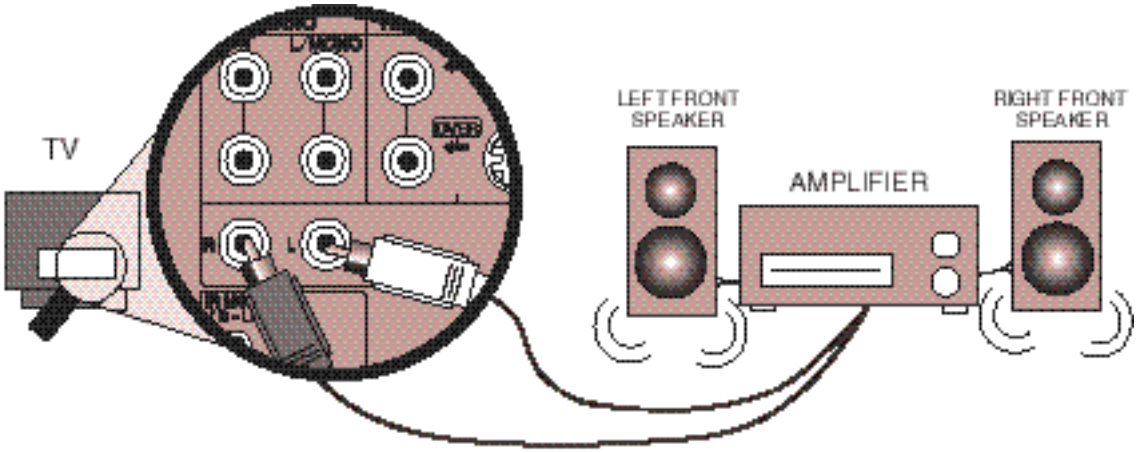
CONNECTING S-VHS ACCESSORIES (VCR or Camcorder)



Keep the audio connections the same as for a non-S-VHS VCR or camcorder (page 9), and use the special S-VHS cable that came with the VCR or Camcorder. (This illustration is of an S-VHS VCR hookup — the same connections will apply for an S-VHS camcorder.)

1) S-VHS Plug *out* from VCR, *in* to TV's S-Video input.

CONNECTING TO AN EXTERNAL AMPLIFIER



1) White audio cable *out* from TV Left Audio output jack, *in* to Amplifier [Left] input.

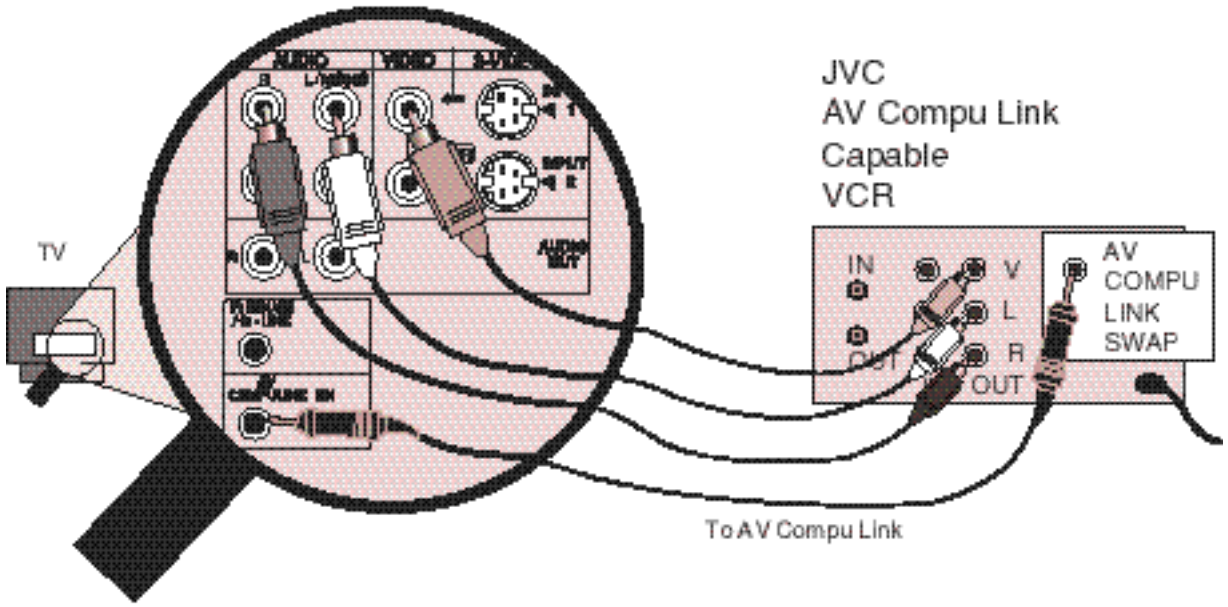
2) Red audio cable *out* from TV Right Audio output jack, *in* to Amplifier [Right] input.

NOTE: A) Set the TV Speaker to OFF (page 39), switch the audio output to VARI (page 39), and adjust the sound with the TV remote's VOLUME button.

CONNECTING TO JVC AV COMPU LINK CAPABLE COMPONENTS

AV Compu Link makes playing video tapes totally automatic. Simply insert a pre-recorded tape* into the JVC brand VCR, and the VCR automatically turns on and starts playing. At the same time, the VCR sends an AV Compu Link signal to the television telling it to turn on and switch to the correct video input.

NOTE: *The AV Compu Link cable should be included with the AV Compu Link capable accessory you intend to connect. If it is not, contact an authorized JVC Service Center for Part # EWP 805-012.*



NOTES:

A) The AV Compu Link cable has a male 3.5 mm (mono) mini plug on each end.

B) If your JVC brand VCR has A Code/B Code Remote Control Switching (see your VCR instructions), using VCR A Code will switch the TV to Video Input 1. If you use Input 1 for Video out from the cable box, use Input 2 here. Using B Code will switch the TV to Video Input 2.

C) To connect a JVC HiFi receiver or amplifier for a completely automated home theater, see the HiFi receiver's instructions for detailed hookup diagrams.

** In order for the VCR to start playback automatically, the recording tabs must be removed from the VHS tape. If the tab is in place, automatic switching starts when you push the VCR PLAY button.*

*** AV COMPU LINK EX is compatible with the following 1998 receivers: RX-664V, RX-665V, RX-774V, RX-884V, RX-1024V, and later receiver models.*

REMOTE CONTROL

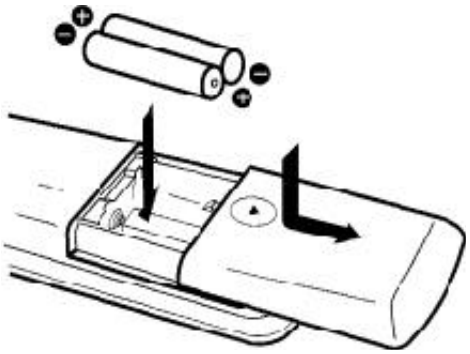
RM-C752

RM-C752

Changing and Inserting Batteries.

Use only size AA batteries.

1. Push down on the triangle on the remote's back cover, and slide the cover off to remove it.
2. Insert the two supplied AA batteries, carefully noting the "+" and "–" markings on the batteries and remote control. **To avoid a short circuit, insert "–" end first.**
3. Snap the cover back into place.



NOTES:

- ❒ *Once the batteries are in the remote and you have confirmed that the remote is working, you must program the remote to operate your particular brand of VCR and/or cable box.*
- ❒ *If it takes you more than 3 minutes to change the batteries, you might have to reprogram the CATV and/or VCR codes.*
- ❒ *If the remote control acts erratically, replace the batteries. Battery life is usually one year.*
- ❒ *We recommend the use of alkaline batteries for longer battery life.*

POWER

- ❒ Make sure that the TV/CATV switch is set to TV. Switch to CATV only to operate a cable box.
- ❒ Press the POWER button on the remote control or the TV front panel. The On Timer lamp will glow red.
- ❒ The first time you turn on the TV, the “Plug In Menu” will appear. You should turn to the Plug In Menu section (page 16) now to learn more about this menu.
- ❒ To turn the power off, press the POWER button again. The On Timer lamp will go out.
- ❒ When the TV is off, the On-Timer lamp remains on while the On/Off Timer function is active, but at a reduced brightness.

ADJUSTING VOLUME

1 Press the VOLUME button on the front panel or remote control. The volume slidebar will appear.

2 Press the MUTING button to instantly turn the volume off. To restore the volume to the previous level, press the MUTING button again.

CHANGING CHANNELS

1 **10 key direct access.**

Press the numbers on the remote’s 10 key pad. For single-digit channel numbers press 0 then the number. For channels above 100, press the 100+ button plus the 2-digit number.

2 **CHANNEL -/+ button.**

- **To scan the channels one at a time,** press the remote’s CHANNEL -/+ button and release.

3 **Return.**

Press and release the RETURN+ button to return to the previous channel. First, select a channel (game #1). Then, select another channel (game #2) with the 10 key pad and push the RETURN+ button to flip directly back and forth.

4 **Return+ .**

Press and hold down the RETURN+ button for three seconds. The message, “RETURN CHANNEL PROGRAMMED !” will appear and you can scan as you wish. Press RETURN+ again and you will go back to the Return+ channel.

To cancel a Return+ channel, press and hold down the RETURN+ button for another three seconds and the message, “RETURN CHANNEL CANCELLED !” appears.

❒ *Pressing a number key or turning the set off will also cancel a Return+ channel.*

SETTING THE CATV & VCR CODES

CABLE BOX OR SATELLITE SETUP

1)Determine the correct code from the "CATV & Satellite Codes" chart below.
2)Slide the 2-Way Mode Selector Switch to CATV.
3)Press and hold down the DISPLAY button.
4)Enter the 3-digit code with the 10 key pad while continuing to hold down the DISPLAY button.
5)Release the DISPLAY button.
6)Confirm the operation of the cable box.
Note: *The only keys you can operate during setup are the Power key, 10-key pad, and Channel -/+ key.*

VCR SETUP

The remote is pre-programmed with the VCR codes for power on and power off, play,stop,record,pause,fast-forward,rewind,and channel up and down.

1)Determine the correct code from the "VCR Codes" chart below.
2)Slide the 2-Way Mode Selector Switch to TV.
3)Press and hold down the DISPLAY button.
4)Enter the 3-digit code with the 10 key pad while continuing to hold down the DISPLAY button.
5)Release the DISPLAY button.
6)Confirm the operation of the VCR.

CATV & Satellite Codes

CABLE BOXES	CODES
ABC	035 001 011 002 009 033 091 055
Antronix	044
Archer	029 001 044 088 091 063 042 030 052 076
Belcor	082
Cable Star	082
Cabletenna	029 001 044 088 091 076
Cableview	063 044 042 030 052 088
Century	063 044 042 030 052 088
Citizen	063 044 042 030 052 088
Colour Voice	023
Comtronice	042 021
Contec	010
Curtis	008 009 056 061 087 090
Diamond	029 001 044 088 091 076
Drake	037 067 071
Eagle	013 022 058 062 020 040 026 021
Eastern	028 099
Focus	059
GC Electronics	063 044 042 030 052 088 082
Gemini	004 085 032 030
General Electric	057
General Instruments	001 002 003 004 034 055 083 085 091 093 095
Gerrard	063 044 042 030 052 088
Hamlin	014 015 028 041 099
Hitachi	031 079 002 080
Hytex	011
Jerrold	001 002 003 004 034 055 083 085 091 093 095
Macom	031 079 080
Magnavox	025 026 013
Matsusita	016 017

CABLE BOXES	CODES
Memorex	007
Movietime	032 039 029 042 044 088 040 038 060
NSC	038 040 032
Oak	011 046 010 012 047
Panasonic	016 017
Paragon	007
Philips	013 020 023 024 096 030 084
Pioneer	005 006 078
Popular Mechanics	059
Pulsar	063 044 042 030 052 088 007
Quest	001 002 003 004 034 055 083 085 091 093 095
RCA	016 017
Realistic	051 044 088 053
Recoton	059 063 044 042 030 052 088
Regal	014 041
Regency	028 099
Rembrandt	032 039 029 042 044 088 002 060
Runco	007
Salora	068 072
Samsung	016 017 006 032 040 042 078 094
Scientific Atlanta	008 009 056 061 087 090
Sheritech	027
Signal	013 022 058 062 020 040 026 004 042 032 078 094 021 038
Signature	002
SL Marx	032 040 042 078 094 063 044 030 052 088
Sprucer	016 017
Standard Components	032 039 029 042 044 088 018 060 063 052 030
Starcom	001 004 055
Stargate	032 040 042 078 094 004 063 044 030 052 088

CABLE BOXES	CODES
Starquest	004
Sylvania	019 035
Tandy	062
Teknika	074 054
Telecaption	092 077
Teleview	032 040 042 078 094
Texscan	018 019 035
Tocom	033 034 048 049 001 042 091 073
Toshiba	036 007 066 070
Tusa	004
TV86	040
Uniden Satellite	065 069
Unika	029 001 044 088 091 063 042 030 052 076
United Artists	011
United Cable	001
Universal	042 043 044 052 063 088 082
Videoway	007 050 023 045
Vid Tech	064
Vidter	064
Viewstar	013 022 058 062 020 040 026 021
Zenith	007 050 023 075
Zentek	059

SATELLITE	CODES
RCA	097
Sony	098
Gradiente	100

VCR Codes

VCRs	CODES
Admiral	084 040 007 031 006 065
Aiko	046
Aiwa	104 105 031 035 094 027 003 087 034 028 026 029
Akai	100 101 032 033 020 026 028 064 102 103
American High	001
Asha	003
Astra	003 094 052 015 027 089 032 090 091 083
Audio Dynamics	026 027 088 097 064 028

VCRs	CODES
Audiovox	015
Aventura	031 035 094 027 003 087 034 028 026 029
Beaumark	098 003 002 001 006 056 057 072 034 004 099 075
Belcor	034 035 046 047
Bell &Howell	016 008 076
Broksonic	010 012 035 087 077 078
Calix	015
Candle	003 094 052 015 027 089 032 090 091 083

VCRs	CODES
Canon	065 001 002 006 041 042 071 004 018 003 056 092 022
Capehart	034 035 046 047
Carrera	003 094 052 015 027 089 032 090 091 083
Carver	018 024
CCE	035 046
Citizen	089 015 031 036 046 047 079 094
Classic	089 015 031 036 046 047 079 094
Colortyne	027 001 020

√CR Codes continued

VCRs	CODES
Colt	035
Craig	003 008 015 043 031 026 028
Crosley	031 035 094 027 003 087 034 028 026 029
Curtis	034 035 046 047 003 094 052 015 027 089 032 090 091 083
Curtis Mathes	065 001 002 006 041 042 071 004 018 003 056 092 022
Cyberex	003 094 052 015 027 089 032 090 091 083
Daewoo	034 035 046 047 025
Daytron	034 035 046 047
DBX	026 027 088 097 064 028
Denon	098 003 002 001 006 056 057 072 034 004 099 075
Dumont	003 094 052 015 027 089 032 090 091 083
Dynatech	031 035 094 027 003 087 034 028 026 029
Dynatone	089 015 031 036 046 047 079 094
Electrohome	019 092 020 067 080 095 015
Electron	098 003 002 001 006 056 057 072 034 004 099 075
Electrophonic	028 015 026 029 053 055 059 085
Emerex	038
Emerson	010 087 011 012 013 008 015 086 037 062 019 025 065 058 078 077 031 020 060 066
Encore	065 001 002 006 041 042 071 004 018 003 056 092
Everrex	002 025 089 094 070
Fisher	008 009 051 016 076
Fuji	001 023
Funai	031 035 094 027 003 087 034 028 026 029
Garrard	031
GE	065 003 004 001 006 056 001 057
GoldStar	089 015 031 036 046 047 079 094 027
Go Video	090 091
Grandiente	031 000 085 006 057
Granada	065 001 002 006 041 042 071 004 018 003 056 092
Grundig	001
Harley Davidson	031 035 094 027 003 087 034 028 026 029
Harman/Kardon	019 027 020
Harvard	035 043
Harwood	035
Headquarter	016
HI-Q	008
Hitachi	002 025 089 094 028 064 070 081
Homeline	089 015 031 036 046 047 079 094
Images	090 091
ITT	028 015 026 029 053 055 059 085
J.C.Penney	065 002 015 027 003 001 094
Jensen	026 029 028 064
JVC	000 085 028 015 026 029 064 053 055 059
Kenwood	026 028 029 027 064 016
KLH	035 043
Kodak	001 015
Lloyd	031 035 094 027 003 087 034 028 026 029
Lloyd's	011
Logik	031 035 094 027 003 087 034 028 026 029
LXI	015
Magnasonic	034 035 046 047 003 094 052 015 027 089 032 090 091 083
Magnavox	065 018 025 031 001 024 006 056 035 094 027 003 087 034 028 026 029
Magnin	003 094 052 015 027 089 032 090 091 083
Marantz	027 001 018 024 020
Marta	089 015 031 036 046 047 079 094
Matsui	003 094 052 015 027 089 032 090 091 026 031 016 029 083
Matsushita	001
Megasonic	002 015 016 009 008 061 034 019 065 031 067
MEI	001
Memorex	065 015 008 031 007 016 001 018 084 003 024
MGA	019 092 020 067 080 095
MGN	003 094 052 015 027 089 032 090 091 083
MGN Technology	003
Midland	098 003 002 001 006 056 057 072 034 004 099 075
Minolta	002 025 089 094 070
Mitsubishi	019 092 020 067 080 095 029
Mont.Ward	065 001 002 006 041 042 071 004 018 003 056 092 084 040 007 031 006
Motorola	001 007 084
MTC	031 035 094 027 003 087 034 028 026 029 052 015 089 032 090 091 083
Multitech	031 035 094 027 003 087 034 028 026 029
NAD	054
National	098 003 002 001 006 056 057 072 034 004 099 075
NEC	026 027 088 097 028 064 029
Nikko	089 015 031 036 046 047 079 094
Noblex	003
Olympus	065 001 002 006 041 042 071 004 018 003 056 092
Optimus	054 015 007 084
Optonica	084 040 007 031 006 065
Panasonic	065 001 002 006 041 042 071 004 018 003 056 092 072 082
Paxsonic	003 094 052 015 027 089 032 090 091 083
Penney	001 015 027 002 051 003
Pentax	065 002 070
Philco	065 001 002 006 041 042 071 004 018 003 056 092 034 035 046 047
Philips	065 096 018 031 025 001 040
Pilot	089 015 031 036 046 047 079 094
Pioneer	002 025 089 094 054 044 029 070
Portland	034 035 046 047
Proscan	098 003 002 001 006 056 057 072 034 004 099 075
Protec	035
Pulsar	034 035 046 047 018 024 003 094 052 015 027 089 032 090 091 083
Quarter	016
Quartz	016
Quasar	065 001 002 006 041 042 071 004 018 003 056 092 072
Radix	015
Radio Shack	031 015
Randex	089 015 031 036 046 047 079 094
RCA	098 003 002 001 006 056 057 072 034 004 099 070 075
Realistic	065 007 015 016 008 031 032 001 084 040 009 003
Ricoh	030
Runco	024
Sanky	018 024 007 084
Sansui	043 031 026 028 064 029 003
Samsung	003 094 052 015 027 089 032 090 091 025 083
Sanyo	016 008 076 003
Scott	010 011 019 074 087 025 012
Sears	002 015 016 009 008 061 034 019 065 031 067 001 039 051 073 070 000 085
Semitsu	034 035 046 047
Sharp	084 040 007 031 006 065 004
Shintom	035 043
Shogun	003 094 052 015 027 089 032 090 091 083
signature	065 001 002 006 041 042 071 004 018003 056 092 084 040 007 031 006
Singer	035 043
Sony	023 030 038 050 049 016 017 001 048
Soundesign	031 035 094 027 003 087 034 028 026 029
STS	002
Sylvania	065 096 018 031 025 001 019
Symphonic	031 035 094 027 003 087 034 028 026 029
Syqmax	034 035 046 047
Tatung	026 029 028 064
Teac	031 035 094 027 003 087 034 028 026 029 064
Technics	065 001 002 006 041 042 071 004 018 003 056 092
Technivox	089 015 031 036 046 047 079 094
Teknika	031 036 065 001 015
Telefunken	011 031
Thomas	031 035 094 027 003 087 034 028 026 029
TMK	011 031 003
Toshiba	002 025 073 019 009 106
Totevision	003 094 052 015 027 089 032 090 091 083
Unitech	003 094 052 015 027 089 032 090 091 083
Vector	025
Vector Research	027 001 020
Video Concepts	027 001 025 020
Vodepsonic	026 027 031 016 029 003
Wards	031 001 002 008 007 084 040 035 006 056 025 003 065
XR-1000	031 035 094 027 003 087 034 028 026 029 001
Yamaha	026 027 031 016 029 028 064
Zenith	093 023 024 030 018

THE SYMBOLS USED IN THIS GUIDE

▲▼ Whenever you see up and down arrows is this book, you should press the MENU UP or MENU DOWN button. This function allows you to:
- Move vertically in the main menu,
- Move through a submenu,
- Move to the next letter, number, or other choice in a submenu, or
- Back up to correct an error

◀▶ Whenever you see left and right arrows, we want you to press the MENU LEFT or MENU RIGHT button. This function allows you to:
- Select the highlighted item, or
- Select the options in a submenu

The "Press Button" means you should press that button on the remote control.

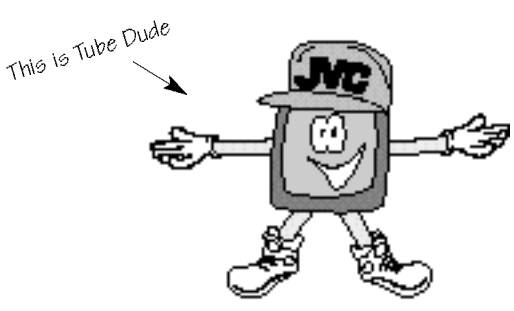
The "Helping Hand" points to the highlighted or selected item in a menu.

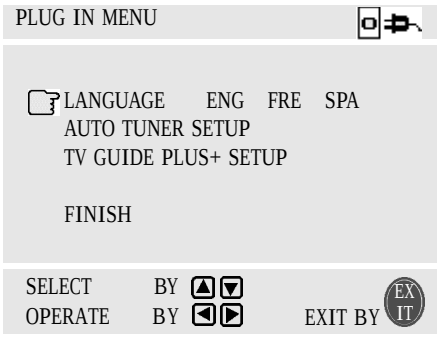
Note: To help avoid confusion between menu screens and buttons of the same name, button names are always written in SMALL CAPITAL LETTERS.

To use the Menu, press any of the remote's 4-way cursor control (MENU) buttons and JVC's scrolling menu will appear on screen. The item that appears yellow is the selected item.

PLUGGING IN YOUR NEW TV

The first time you plug in your new TV, or after a power interruption of longer than 90 seconds, the Plug In Menu will appear. This menu is very important because it prompts you to set up your preferences for onscreen language, tuner setup, and TV Guide Plus+. You should complete all of the steps in the Plug In Menu before moving to FINISH and exiting to watch TV.





To begin your setup, follow the directions using the symbols described above. Enjoy your new TV set!

NOTE: The menu screens depicted in this book are representations of the menu screens on your set. They are not exact replications.

PLUG IN MENU

The Plug In Menu comes up automati - cally when you first turn on the TV after plugging it in. The Plug In Menu sets the default preferences for you for:

- ❒ The Language in which you want the onscreen displays to appear.
- ❒ The Auto Tuner Setup of channels to be included in scan.
- ❒ TV Guide Plus+ Setup

If you experience a power interruption, the Plug In Menu will reappear when you first turn on your TV. Move to FINISH with the ▼ button and press ▶ to exit and restore your original settings.

LANGUAGE

Your JVC television allows you to choose from English, French, or Spanish on-screen menus and displays.

▲▼ To LANGUAGE

LANGUAGE ENG FRE SPA

◀▶ To choose the language

ENGLISH ⟷ FRENCH ⟷ SPANISH

AUTO TUNER SETUP

During Auto Tuner Setup, the TV will automatically scan through all available channels and memorize the active ones so that when you scan, you do not pick up weak or noisy channels.

▲▼ To AUTO TUNER SETUP

◀▶ To operate

TUNER MODE CABLE AIR

START

Continued…

Continued…

◀▶ To choose CABLE or AIR

▲▼ To move to START

◀▶ To start programming

NOW
PROGRAMMING!
⏭ ⏭
48

The Programming takes approximately 1 to 2 minutes

PROGRAMMING OVER!

Note: Noise Muting will not work while Auto Tuner Setup is working.

Note: If you change your cable system, or change from Air to Cable, you must run TV Guide Plus+ Setup again.

TV GUIDE PLUS+ SETUP

TV Guide Plus+ Setup prompts you to input the information that will insure TV Guide Plus+ operates properly.

▼ To TV GUIDE PLUS+ SETUP

◀▶ To operate

You should now begin to follow the directions indicated on page 18 to complete TV Guide Plus+'s setup.

If you want to see the TV Guide Plus+ Demo, you can enter the TV Guide Plus+ Setup on page 33.

FINISH

Once you have set up the items in the Plug In Menu you must select Finish.

▲▼ To FINISH

◀▶ To exit

Note: You can reset the preferences that you set here in the Plug In Menu via the regular JVC Menu system (begin page 32).

NOTES:

We recommend that you do not exit the Plug In Menu before completing the setup so that your preferences are set right away, especially for TV Guide Plus+.

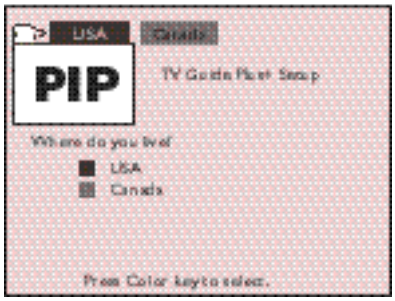
If you do exit, don't panic, you can set these preferences later with the regular menu.

SETTING UP TV GUIDE PLUS+™

The first thing you must do with regard to TV Guide Plus+ is perform the setup. It's very simple. Use your remote control to enter the information provided here. Screens very similar to those you will see as you perform each step are shown here. (Note: The word "PIP" in the window screen is where your TV will display an active picture of the channel you were watching.)

When you select the TV Guide Plus+ Setup from the Plug In Menu or select the TV Guide Plus+ Options Menu (page 33) will automatically appear if the Host Search has finished (*See page 23 for the host search.)*

STEP 1



(This screen will automatically appear after you enter Setup either from the Plug In Menu or from the TV Guide Plus+ Setup Menu.)

1. Press the BLUE button if you live in the U.S.A. or press the GREEN button if you live in Canada.

(After you press the BLUE or GREEN button you automatically move to the next screen in Step 2.)

***Note:** When you select the TV Guide Plus+ Setup, press the EXIT button on the remote control.*

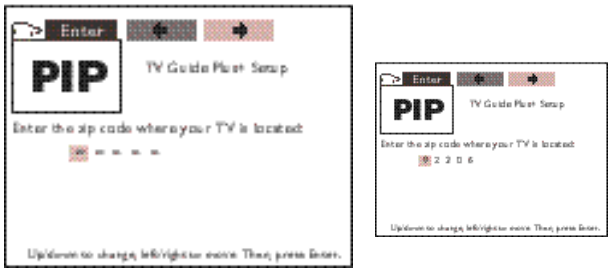
When you setup TV Guide Plus+ again, you select the TV Guide Plus+ Setup from the JVC regular menu.

***Note:** The TV Guide Plus+ Setup screen will automatically disappear when you don't operate anything further.*

STEP 2

U S A

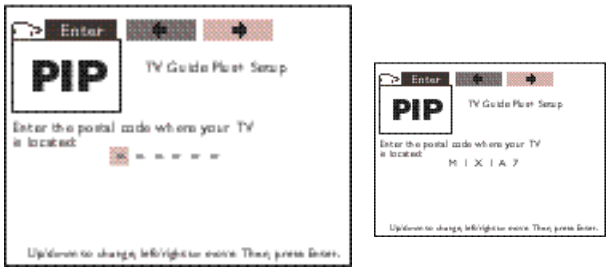
1. Using the 10 key pad on your remote, enter your zipcode. (Press GREEN or ◀ to correct an error.)
2. When finished, press BLUE to enter your zipcode.



U.S.A. Example

C A N A D A

1. *Input the first number or letter of your postal code. Press the MENU arrow up button to begin the numbers and alphabet. (Once you are in the number/letter list, press the down arrow to go backwards in the list.)*
2. *When you have selected the letter or number, press the YELLOW button to move to the next position. (Press GREEN to go back to correct an error.)*
3. *Repeat steps 1 and 2 for all six spaces.*
4. *When done press BLUE to enter your postal code.*



Canada Example

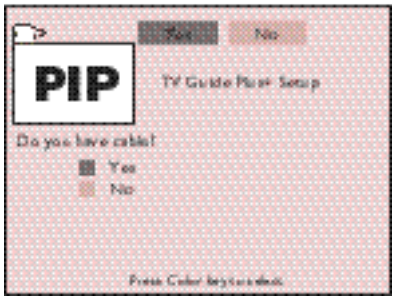
(A screen asking if you have cable automatically appears after you enter your zipcode in the U.S., or your postal code in Canada.)

STEP 3

This screen appears once you tell TV Guide Plus+ your postal or zip code information.

1. Press GREEN if you have cable, YELLOW if you do not have cable.

(If you do not have cable, press YELLOW to skip to Step 8 on page 21.)



STEP 4

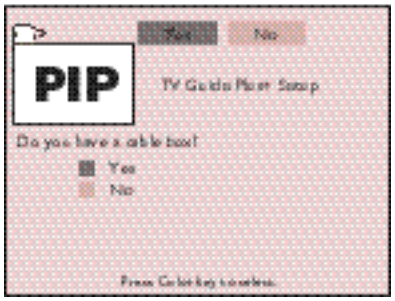
If you answer YES to having cable, a screen asking if you have a cable box automatically appears.

1. Press GREEN if you have a cable box, YELLOW if you do not have a cable box.
2. Leave the cable box ON. It should always be left ON.

SPECIAL CONDITIONS:

1. *As indicated on page 8 (#2) of this guide, you must connect your cable box RF Out to TV RF Input in order for TV Guide Plus+ to download the data. Or, if you connect as indicated on #3 of page 8, you must connect the video output of your cable box to video input 1 of the TV in order for TV Guide Plus+ to download the data.*

(If you do not have a cable box, press Yellow to skip to Step 8 on page 21.)



STEP 5

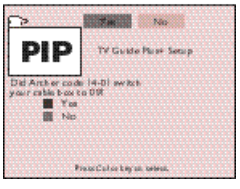
A screen telling you to turn your cable box to Channel 02 and to select your cable box brand from the list appears. You can check for your cable box brand on page 20.)

1. Press ▲▼ or GREEN or YELLOW to go to your brand.
2. Press the BLUE button once your brand appears.

STEP 6

(A screen telling you that TV Guide Plus+ is testing the codes for your brand will appear. The cable box will switch to Channel 9 when the proper code is found.)

1. Press the GREEN button if your cable box switches to Channel 9.
2. If your cable box does not switch to Channel 9, press YELLOW TV will try another version of your code.



(If TV Guide Plus+ does not recognize your cable box after several tries, a screen stating, "Cable box test failed… Please consult manual and try again" will appear. ***You should check that the IR Mouse is in front of the cable box's IR receiver window and try again.)***

CABLE BOX BRAND TABLE

BRAND
Archer
Cable Cinema
Cabletenna
Cableview
Century
Citizen
Curtis
Diamond
Eagle
Eastern
Garrard
GC Electronics
Gemini
General Electric
General Instrument
Hamlin
Hitachi
Jasco
Jerrold
Macom
Magnavox
Matsushita
Movietime
NEC
Novavision
NSC
Oak Sigma
Oak
Panasonic
Philips
Pioneer
Pulser
Quest
RCA
Realistic
Recoton
Regal
Regency
Rembrandt
S.L. Marx
Samsung
Scientific Atlanta
Sheritech
Signal
Sprucer
Standard Components
Stargate
Sylvania
Teknika
Telecaption
Teleview
Texscan
Tocom
Toshiba
Unika
Universal
Videoway
Vid Tek
View Star
Zenith

VCR BRAND TABLE

BRAND
Admiral
Adventura
Aiwa
Akai
Audio Dynamics
Beaumark
Belcor
Bell & Howell
Broksonic
Candle
Canon
Cape Hart
Carrera
Citizen
Classic
Craig
Criterion
Crosley
Curtis Mathes
Daewoo
Daytron
dBX
Dumont
Electrohome
Electron
Emerson
Everex
Fisher
Funai
GE (General Electric)
Go Video
Goldstar
Grundig
Harley Davidson
Harmon Kardon
Harvard
Hitachi
Images
J.C. Penney
Jensen
JVC
Kenwood
KLH
Lloyds
Logik
LXI
Magnasonic
Magnavox
Magnin
Marantz
Marta
Matsui
Megasonic
Memorex
MGA
MGN
Midland
Minolta
Mitsubishi

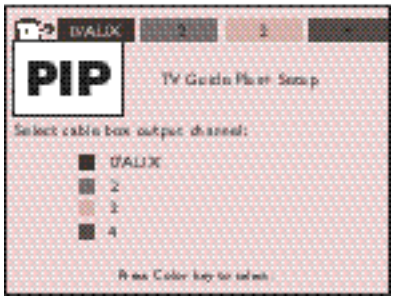
BRAND
Mont. Ward
Movie Walker
MTC
Multitech
National
NEC
Nikko
Olympus
Optimus
Optonica
Orion
Panasonic
Paxsonic
Pentax
Philco
Philips
Pilot
Pioneer
ProScan
Pulser
Quasar
Randix
RCA
Realistic
Samsung
Sansui
Sanyo
Scott
Sears
Sharp
Shintom
Shogun
Signature
Singer
Sony
Sylvania
Symphonic
Tatung
Teac
Technics
Teknika
Telefunken
Thomas
TMK
Toshiba
Totevision
Vector Research
Video Concepts
Videosonic
XR-1000
Yamaha
Zenith

STEP 7

(A screen telling you to select the Cable Box output channel will appear)

1. Using the color buttons, enter the channel number to which your cable box Output is set.

Press BLUE for Video Out (if you used diagram #3, page 8)
Press GREEN for Channel 02
Press YELLOW for Channel 03
Press RED for Channel 04

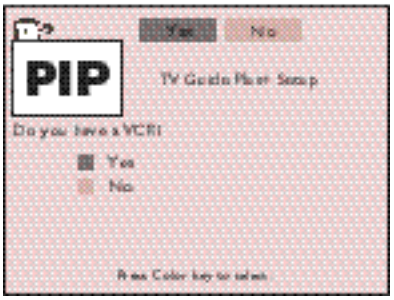


STEP 8

(This screen will automatically appear once the cable box is set up.)

1. Press the GREEN button if you have a VCR or press the YELLOW button if you do not.

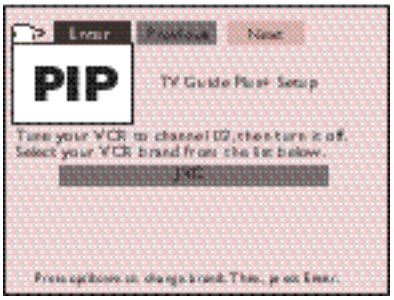
(After you press the GREEN button you automatically move to the next screen in Step 9. If you press YELLOW you will skip to the end of setup, page 22.)



STEP 9

A screen telling you to turn your VCR box to Channel 02 and to select your VCR brand from the list appears.

1. Press ▲▼ or GREEN or YELLOW to go to your brand.
2. Press the BLUE button once your brand appears.

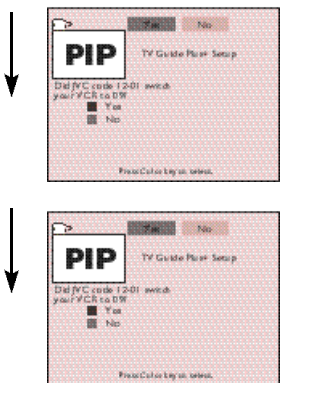


STEP 10

(A screen telling you that TV Guide Plus+ is testing the codes for your brand will appear. The cable box will switch to Channel 9 when the proper code is found.)

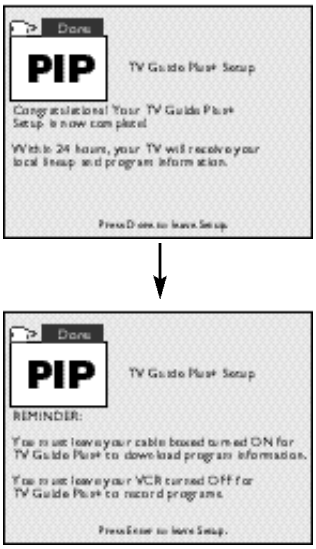
1. Press the GREEN button if your VCR switches to Channel 9.
2. If your VCR does not switch to Channel 9, press YELLOW and TV will try another version of your code.

(If TV Guide Plus+ does not recognize your VCR, a screen stating, "VCR test failed… Please consult manual and try again" will appear. ***You should check that the IR Mouse is in front of the VCR's IR receiver window and try again.)***



END OF SETUP

1. A screen telling you that TV Guide Plus+ will be ready for use within 24 hours appears. Make sure that you turn the cable box ON and the VCR OFF. If you have a system with a cable box, make sure you change the VCR channel back to where you normally watch or record from the cable box (typically Channel 03 or 04.)
2. Press the BLUE button to exit setup.
3. Turn the TV off.
4. Data downloading usually takes less than 15 minutes. However, on some cable systems, this download may take as much as two hours.


Done
PIP
TV Guide Plus+ Setup
Congratulations! Your TV Guide Plus+ Setup is now complete!
Within 24 hours, your TV will receive your local lineup and program information.
Press Done to leave Setup.
Done
PIP
TV Guide Plus+ Setup
REMINDER:
You must leave your cable box turned ON for TV Guide Plus+ to download program information.
You must leave your VCR turned OFF for TV Guide Plus+ to record programs.
Press Done to leave Setup.

NOTE: *If you do not have a cable box, you can watch TV while the Host Search and Download are in progress. Also, note that TV Guide Plus+ will not be available until the Host Search and download functions are complete. Refer to page 23 for TV Guide Plus+ messages.*

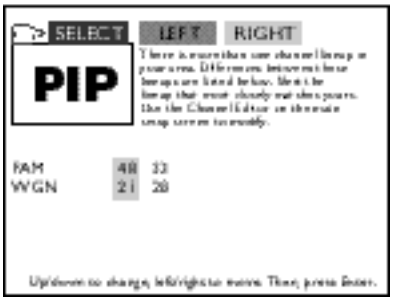
CHANNEL MAPPING

After the data for TV Guide Plus+ is set up, a "channel map" has been created. If there is more than one cable company servicing your local area, the Host Search will yield the Channel Mapping Screen which will appear the first time you press the GUIDE/TV button. Essentially, TV Guide Plus+ is asking you to complete the host search by identifying which cable company you use. Identify your cable company by confirming which stations actually are found on the channel numbers indicated by TV Guide Plus+.

CHANNEL MAPPING

The Channel Mapping Screen may appear the first time you turn on TV Guide Plus+, after the Initial Setup download, if the channel map is not identified.

1. Determine which channels the stations displayed are on (as in this example FAM and WGN).
2. Press GREEN or ◀ to move the cursor left, YELLOW or ▶ to move the cursor right.
3. Press BLUE for Select when the cursor is on the proper channel numbers.



NOTE: *If you do not know at what channel number the listed stations are found, press the round EXIT button on the remote, go to those channels to check the channel numbers, and then come back to TV Guide Plus+ (by pressing the GUIDE/TV button) to complete the setup.*

SOME VERY IMPORTANT FINAL WORDS ON TV GUIDE PLUS+

NOTE 1: TV Guide Plus+ automatically includes up to 50 channels in the guide. See page 33 "TV Guide Plus+ Channel Editor" if you have a cable system with more than 50 channels or to customize the list to your level of cable service.

NOTE 2: If the channels are O.K., but there are no listings of programs, or there are only partial listings, don't worry, you just need more data. The time for the next data download is displayed in the blue information box (upper right corner of TV Guide Plus+ screen when you tune a channel that says, "No Listing").

NOTE 3: If you use a Cable Box the TV Power must be OFF in order for the data download to work.

TV GUIDE PLUS+ MESSAGES TO THE VIEWER

Once TV Guide Plus+ is set up, you can start enjoying the many features of your new TV! But, before we jump right into it, there are some operating features of TV Guide Plus+ that you should be aware of...

DOWNLOADING DA TA

There are two types of data download — the "Host Search" and "Data Download".

THE HOST SEARCH — The Host Search is the Download search that we have been discussing thus far. This search begins automatically once you begin the TV Guide Plus+ Setup. Once completed:

- The TV's Clock is automatically set to the correct time
- Station ID's are set via the information that TV Guide Plus+ collects. If you use a cable box, the station ID's will not be set.

DATA DOWNLOAD — The second type of data download is based on the broadcasting schedule. Several times a day TV Guide Plus+ will complete a download that updates the data information.

HOST SEARCH MESSAGES

During the initial host search, TV Guide Plus+ information and PIP are not available.

You will get the following message if you attempt to use TV Guide Plus+ during the Initial Host Search →

TV GUIDE DISPLAYS WILL NOT APPEAR UNTIL DATA DOWNLOADING IS COMPLETED.

You will get the following message if you attempt to use PIP during the Initial Host Search →

TV GUIDE HOST SEARCH NOW IN PROGRESS. IF YOU REALLY WANT TO STOP THE HOST SEARCH, AND USE PIP, PUSH PIP AGAIN.

SETUP INFORMATION MESSAGES

You must input the correct setup information in order to use TV Guide Plus+.

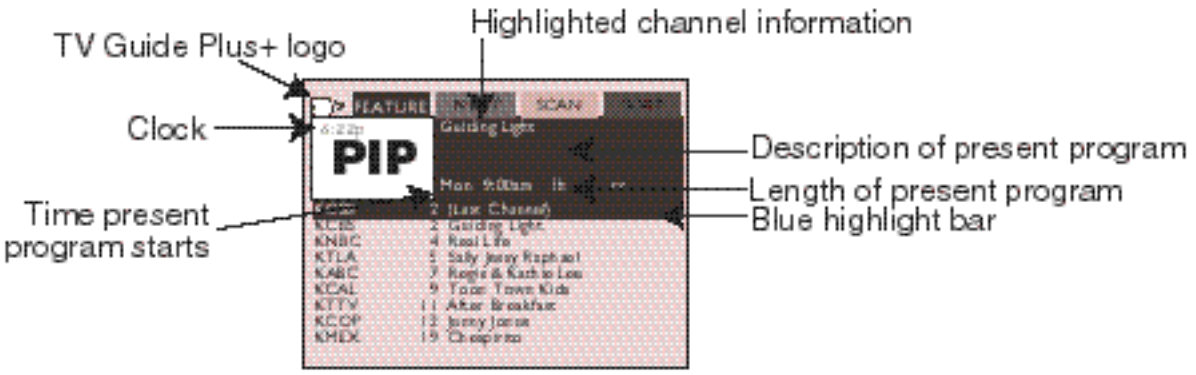
You will get the following message if you attempt to use TV Guide Plus+ before inputting the correct setup information. →

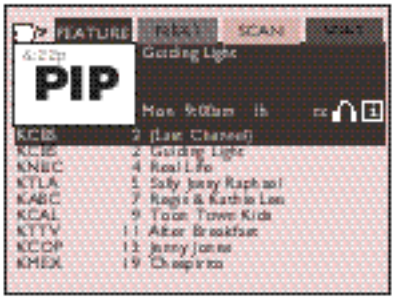
PLEASE INPUT CORRECT SETUP INFORMATION

USING TV GUIDE PLUS+

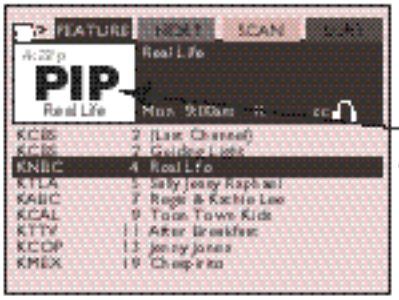
Below are common screens that you will see when using TV Guide Plus+. Since TV Guide Plus+ contains downloadable data, new program information comes in daily, the screens in this book are not actual. They are representations of what you are likely to see.

As with the program information, the Features and options or categories of TV Guide Plus+ are also downloadable and therefore these too can change daily. This is really the information superhighway coming to your living room. There will be more options available to you in the future as we come up with even more really good ideas. For now, enjoy!





Program Information:
cc : Closed Captions available
: Stereo available
i : Information available*



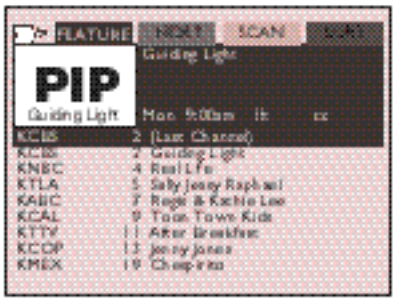
Moving down the screen, the PIP window changes to the show on the next channel

*If you see this icon i in the bottom right corner of the TV Guide Plus+ information screen, you can access additional information regarding that program by pressing the INFO button.

SURFING

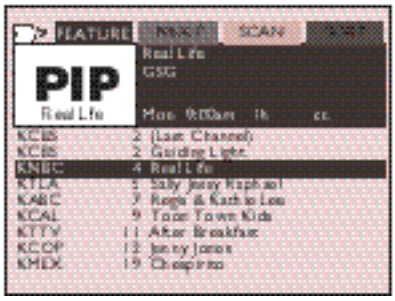
You can SURF the channels through TV Guide Plus+. The TV Guide Plus+ PIP window will display each show as you go, and when you exit TV Guide Plus+ you will automatically go to the channel last displayed in the PIP window.

Press GUIDE/TV button



Press remote's MENU down or up button to surf what's on now

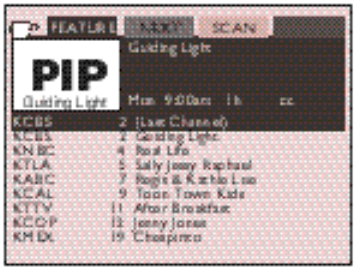
(The channel will change, and the current channel will be displayed in the PIP window.)



WHAT'S NEXT!

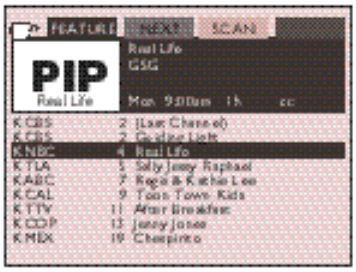
You can see what's on next for the channel that you are viewing, and still see the current program in the PIP window.

GUIDE/TV Press GUIDE/TV button

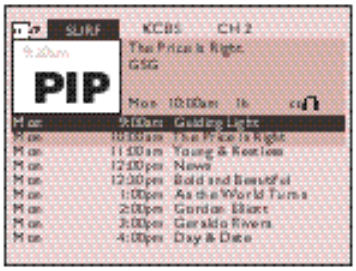


Press remote's MENU down or up button to surf what's on now

(The channel will change, and the current channel will be displayed in the PIP window.)

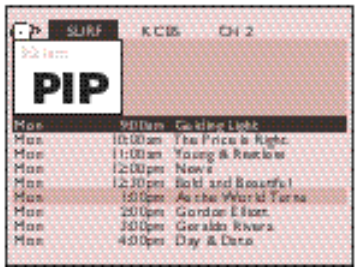


GREEN Press GREEN for "NEXT"



(Blue bar is current program)

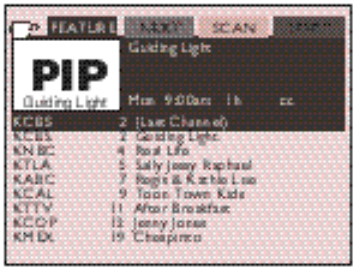
Press the MENU down or up button



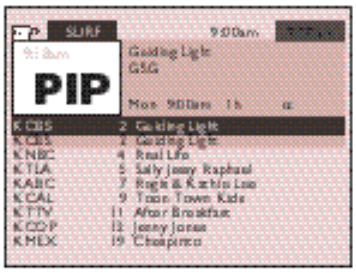
SCANNING

You can SCAN what's on later today, or even all day tomorrow, and still watch whatever you were watching in the TV Guide Plus+ PIP window.

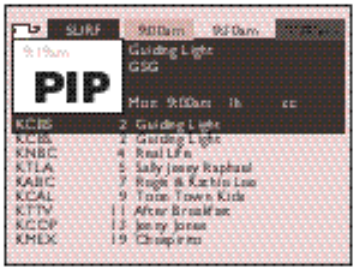
GUIDE/TV Press GUIDE/TV button



YELLOW Press YELLOW for "SCAN"

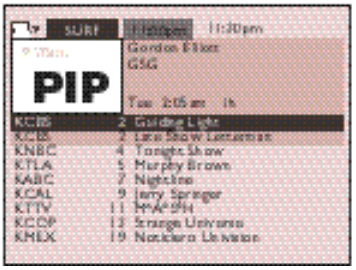


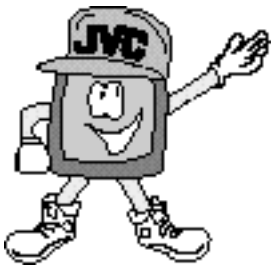
RED Press RED for the time to scan
(Press as many times as needed to get to your desired time)



When you reach the end of the list, stop pressing RED.

GREEN Press GREEN to go back

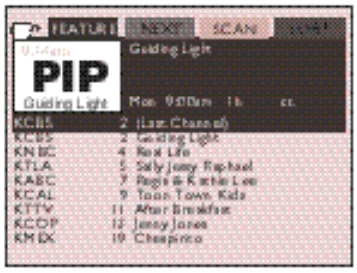




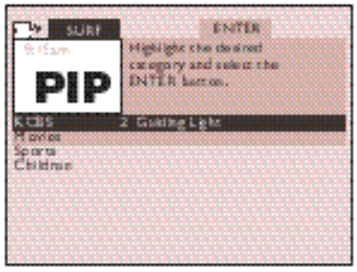
SORTING

You can SORT through all that's on and categorize by movies, sports, children's and other categories.

GUIDE/TV Press GUIDE/TV button

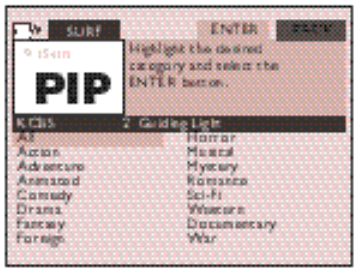


RED Press RED for "SORT"



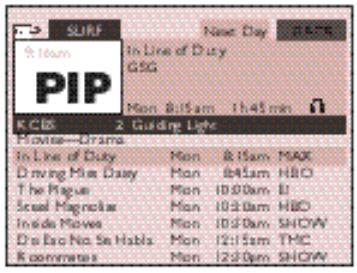
Press remote's MENU down or up button to select category
(To go back to SURF press BLUE)

YELLOW Press YELLOW for ENTER



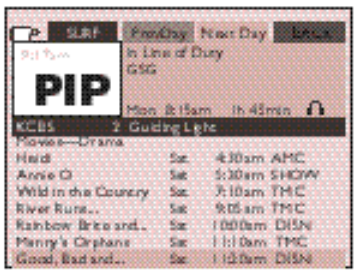
Press remote's MENU down or up button to select sub-category
(To go back to SURF press BLUE)
(To go back to the previous screen press RED)

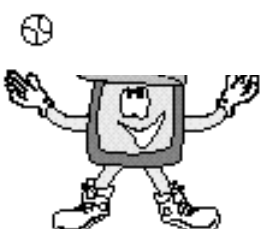
YELLOW Press YELLOW for ENTER



Press remote's MENU down or up button to scroll through the listings

Press YELLOW to skip to next day
Press GREEN to skip back a day
(to go back to Surf, press BLUE)
(to go back to previous screen, press RED)

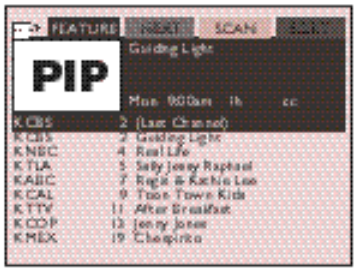




RECORDING

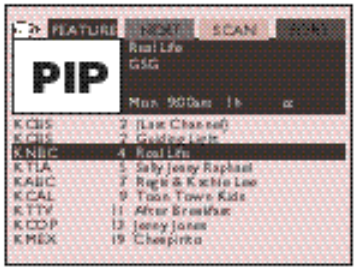
Point-and-shoot recording makes timer recording as easy as pressing a button.

GUIDE/TV Press GUIDE/TV button

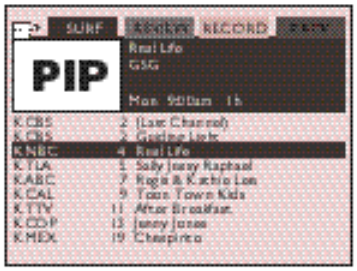


Recording can be done from any of these screens; "Surf", "Next", "Scan", or "Sort"

Press remote's MENU down or up button to surf what's on now



VCR+ Press VCR+ button (the standar color bar menu changes for VCR menu)



YELLOW Press YELLOW to record

To go back to the previous screen press RED

- press GREEN to record daily
- press YELLOW to record once
- press RED to record weekly

GREEN press GREEN to REVIEW programs set to be recorded

To terminate of finish recording operation, press RED

☐ Remember to put in a blank tape and turn the VCR OFF!

NOTES:

1) If you already know the VCR Plus+ Plus Code, you can enter the code directly during regular television viewing. Simply press the VCR+ button, and enter the code with the 10-key pad. (If you make a mistake, press the VCR+ button twice and re-input the number.) Choose Daily, Once, or Weekly as above.

2) If you have another program set to be recorded at the same time, you will get this message: "This show has a time clash with a previously programmed show".

3) If you are using a CATV box:
When recording starts, "Recording" message will appear in the PIP window of TV Guide Plus+. Then, the PIP channel would be fixed. However, you can surf the information of downloaded data by moving the cursor with the menu up/down keys while recording.

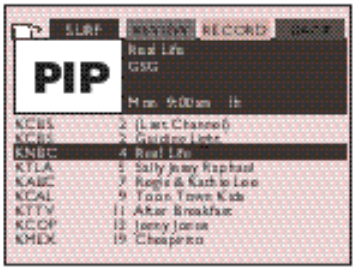
RECORDING

To check your preprogrammed shows, or to cancel a show…

To check pre-programmed shows at any time…

GUIDE/TV — Press GUIDE/TV button

VCR+ — Press VCR+ button



GREEN — Press GREEN to review

RED — Press RED to exit

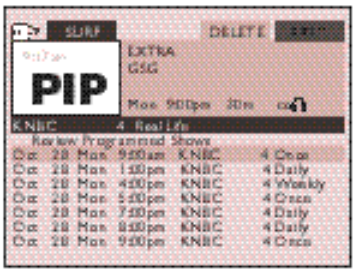
NOTE: In order to review programs set to be recorded in TV Guide Plus+, you must be recording through TV Guide Plus+ and not through your VCR directly.

To cancel a pre-programmed show at any time…

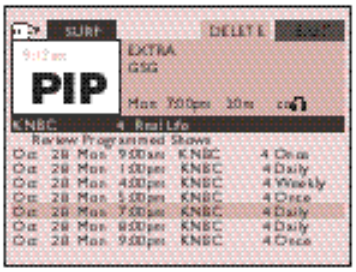
GUIDE/TV — Press GUIDE/TV button

VCR+ — Press VCR+ button

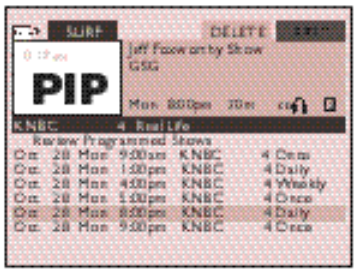
GREEN — Press GREEN to review


SURF
DELETE
PIP
EXTRA
GSG
KNBC 4 Real Life
Review Programmed Shows
Oct 28 Mon 9:00am KNBC 4 Once
Oct 28 Mon 1:00pm KNBC 4 Daily
Oct 28 Mon 4:00pm KNBC 4 Weekly
Oct 28 Mon 5:00pm KNBC 4 Once
Oct 28 Mon 7:00pm KNBC 4 Daily
Oct 28 Mon 8:00pm KNBC 4 Daily
Oct 28 Mon 9:00pm KNBC 4 Once

Press remote's MENU down or up button to show to cancel


SURF
DELETE
PIP
EXTRA
GSG
KNBC 4 Real Life
Review Programmed Shows
Oct 28 Mon 9:00am KNBC 4 Once
Oct 28 Mon 1:00pm KNBC 4 Daily
Oct 28 Mon 4:00pm KNBC 4 Weekly
Oct 28 Mon 5:00pm KNBC 4 Once
Oct 28 Mon 7:00pm KNBC 4 Daily
Oct 28 Mon 8:00pm KNBC 4 Daily
Oct 28 Mon 9:00pm KNBC 4 Once

YELLOW — Press YELLOW to delete


SURF
DELETE
PIP
GSG
KNBC 4 Real Life
Review Programmed Shows
Oct 28 Mon 9:00am KNBC 4 Once
Oct 28 Mon 1:00pm KNBC 4 Daily
Oct 28 Mon 4:00pm KNBC 4 Weekly
Oct 28 Mon 5:00pm KNBC 4 Once
Oct 28 Mon 8:00pm KNBC 4 Daily
Oct 28 Mon 9:00pm KNBC 4 Once

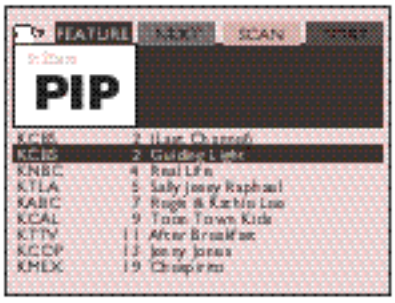
RED — Press RED to exit

SPECIAL TV GUIDE PLUS+ FEATURES

This page shows services which will be provided by companies other than JVC. Since the "Features" option is a future service as of March, 1998, you will not be able to use it.

This page shows how to display the "Features" screen.

GUIDE/TV Press GUIDE/TV button



BLUE Press BLUE for "FEATURE"
Some service lists appear

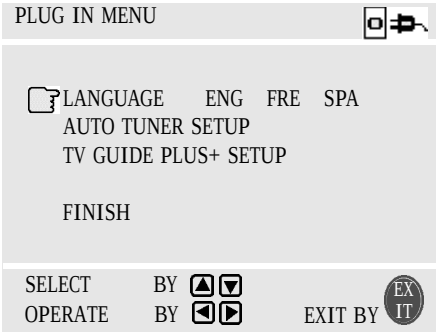
Press remote's MENU down or up button to select service
(To go back to SURF press BLUE)
• You can select only the following two screens at present.
In the future, when new services start, new lists will appear!!
Info Center: Provides information regarding TV Guide Plus+
Diagnostics: Confirms the serial number

YELLOW Press YELLOW for ENTER

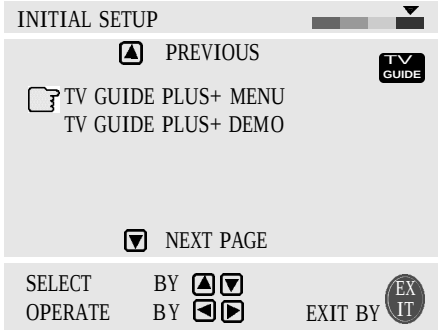
THE ONSCREEN MENUS:

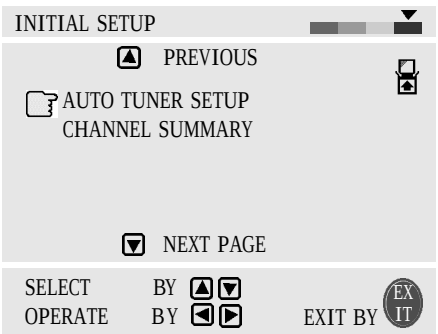
The 15 color icon based menus of the JVC 80 Series televisions are easy to use, and pleasant to look at. Icons in the upper right corner of each screen indicate which menu you are in, and selection and operation instructions at the bottom of each page make using the menu so easy. Below are depictions of each menu.

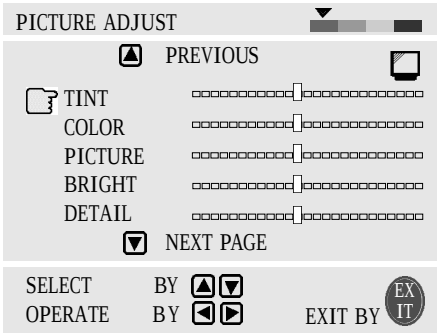
NOTE: The menu screens depicted in this book are representations of the menu screens on your set. They are not exact replications.

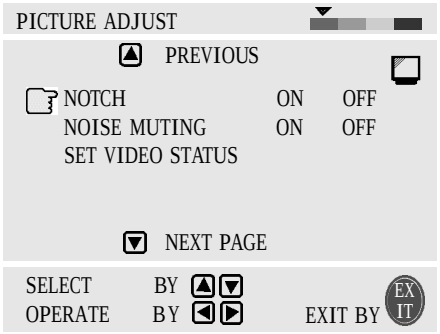


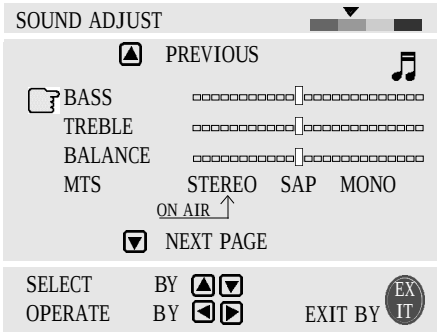
The "Plug In Menu" only appears the first time the TV is plugged in, or after a power interruption of more than 90 seconds.

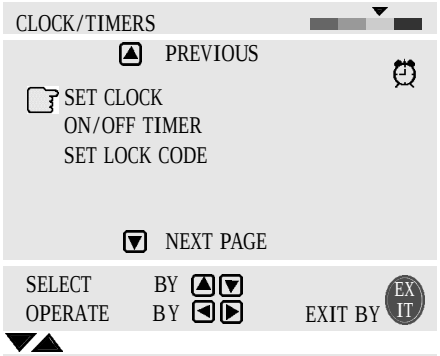


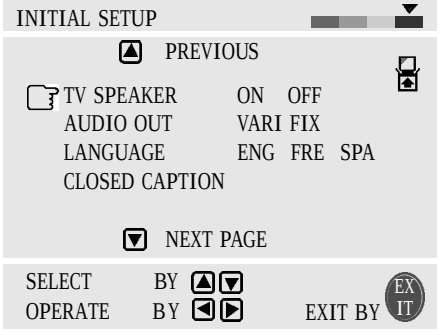










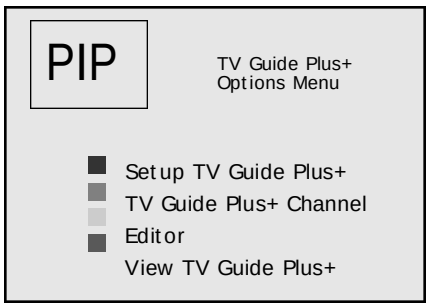


TV GUIDE PLUS+ OPTIONS MENU

The TV Guide Plus+ Options Menu shows you the options of TV Guide Plus+.

▲▼ To TV GUIDE PLUS+ MENU

◀▶ To operate



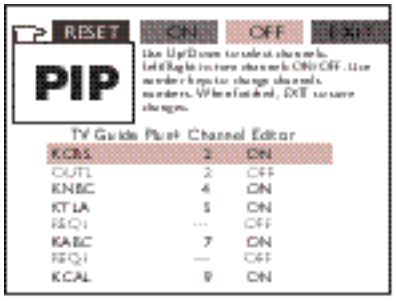
❑ **"Setup TV Guide Plus+"** is where you will set up TV Guide Plus+ to control your TV. The information for this procedure is on pages 18 to 22.

Note: "Demo" will start the TV Guide Plus+ demonstration mode.

❑ **"TV Guide Plus+ Channel Editor"…**

You can setup view or not the channel on TV Guide Plus+. If the Station ID (e.g. KCBS) and the channel do not match, you can correct the received channel

GREEN to select TV Guide Plus+ Channel Editor



▲▼ To the channel you want to edit

RESET: Reset all the channels ON/OFF setting to the initial settings.

ON: The channel will appear on Guide Plus+ list. If you set ON when you select the channel which no station is preset you will get the following message:

Continued…

Continued…

"You must enter a valid channel number before turning a channel on." Enter the correct number with the 10-key pad.

OFF: The channel will not appear on the Guide Plus+ list.

EXIT: Return to the TV Guide Plus+ Options Menu.

10 Digit key: You can correct the wrong channel number for a station by entering the correct number with the 10-key pad.

TV GUIDE PLUS+ DEMO

Demo lets you view the features of TV Guide Plus+ right onscreen.

▲▼ To TV GUIDE PLUS+ DEMO

◀▶ To begin the Demo

❑ When you operate the Demo screen…

Press the BLUE, RED, YELLOW, or GREEN buttons on the remote control, and you can actually operate the TV Guide Plus+ demo information.

Note: If you operate the VCR under Demo, the signal from the IR Mouse is not available.

❑ When you cancel the Demo…

Press the Front Panel VOLUME+ and CHANNEL– simultaneously

Press the EXIT button on the remote

Press the GUIDE/TV button

NOTES:

TV Guide Plus+ Channel Editor: When you enable more channels, you reduce the amount of program information that TV Guide Plus+ can display.

Refer to page 17 regarding Auto Tuner Setup.

NOTES:

Initial Setup Menu items:

- *Auto Tuner Setup, and*
- *Language are described in detail in the Plug In Menu section*

In the Channel Summary:

To move up and down a column (e.g. from channel to channel) use the CHANNEL-/+ button

To move from item to item (e.g. from channel number to add to lock) use the MENU UP/DOWN buttons.

CHANNEL SUMMARY

You can add or delete channels from channel scanning. You can also lock out any "unauthorized" viewers from one or up to all 125 channels.

▲▼ To CHANNEL SUMMARY
◀▶ To operate

Note: Noise Muting will not work while you are in the Channel Summary menu.

Note: TV Guide Plus+ automatically sets any station IDs.

SCAN

You can manually set channels to scan that were too weak to be picked up during Auto Tuner Setup. Conversely, if a channel was too weak to receive a good picture but was picked up anyway, delete it by removing the √. (If you have not performed the Auto Tuner Setup described on page 17, do so now.)

CH NO.	SCAN		🔒	CH NO.	SCAN		🔒
01				06	√	ESPN	
02	√	WABC		07		WMPI	
03	√	WCBS		08		XNBE	
04	√	WPIX		09	√	MTV	
05	√	WNBC		10	√		

CHANNEL -/+ to select the channel
▲▼ To the SCAN column
◀▶ To include or delete from scan
EXIT when finished

Note: Channels set to scan will be marked with an √.

Note: Some cable systems experience interference from radio frequencies on Cable Channel 95. If you like, you can delete this channel from scanning by removing the √.

Continued above...

CHANNEL GUARD - LOCK

▲▼ To CHANNEL SUMMARY
◀▶ To operate

CH NO.	SCAN		🔒	CH NO.	SCAN		🔒
01				06	√	ESPN	
02	√	WABC		07		WMPI	🔒
03	√	WCBS		08		XNBE	🔒
04	√	WPIX		09	√	MTV	
05	√	WNBC		10	√		

▲▼ To the Lock column
The access code zero (0) to lock or unlock that channel

Use the CHANNEL -/+ button to go to any other channel you want to lock

EXIT when finished

CHANNEL GUARD MESSAGE:

This message appears when a viewer attempts to watch a guarded channel:

THIS CHANNEL IS LOCKED BY
CHANNEL GUARD.
PLEASE ENTER LOCK CODE BY
10 KEY PAD TO UNLOCK IT.
NO. – – –

To watch a channel you have locked, enter the lock code using the 10 key pad. If the wrong lock code is entered, this message will appear:

INVALID LOCK CODE !

Note: See "Set Lock Code", for more information.

TINT
Adjust the levels of red and green.

▲▼ To TINT
▶ To accentuate green
◀ To accentuate red
▲▼ To move to the next

COLOR
Adjust both the vividness and subtlety of the color.

▲▼ To COLOR
▶ To make colors more vivid
◀ To subdue colors
▲▼ To move to the next

PICTURE
Picture allows you to adjust the picture's range of black and white.

▲▼ To PICTURE
▶ To increase contrast
◀ To decrease contrast
▲▼ To move to the next

BRIGHT
Adjust the degree of light and dark.

▲▼ To BRIGHT
▶ To lighten the picture
◀ To darken the picture
▲▼ To move to the next

DETAIL
Adjust the level of detail in the picture.

▲▼ To DETAIL
▶ To make the picture sharper
◀ To make the picture smoother
▲▼ To move to the next

NOTCH
The Notch Filter sharpens the edges of graphics and text, especially in computer generated graphics common in news and sports programs.

▲▼ To NOTCH
◀▶ To turn ON/OFF

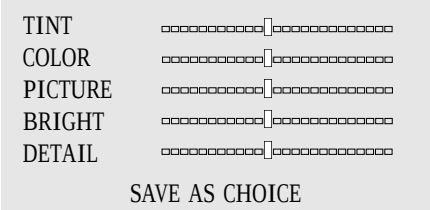
NOISE MUTING
Inserts a blue screen and eliminates noise from channels that are not broadcasting or are too weak.

▲▼ To NOISE MUTING
◀▶ To turn ON/OFF

Note: Noise Muting will not work when you operate the Auto Tuner Setup or Channel Summary.

SET VIDEO STATUS
Save Picture Settings as "Choice".

▲▼ To SET VIDEO STATUS
◀▶ To operate
◀▶ To operate the TINT option



▲▼ To move to the next option

Repeat the above steps to set each option.

▲▼ To SAVE AS CHOICE
◀▶ To save settings and exit

Note: Access your "Choice" settings by pressing the VIDEO STATUS button on the remote control.

NOTES:

To exit the Picture Adjust menu at any time press the EXIT button.

SOUND ADJUST

NOTE:

MTS has no effect on normal sound broadcasts.

BASS

The Bass level adjustment feature allows you to raise or lower the level of lower frequencies in the TV's sound.

▲▼ To BASS
▶ To emphasize bass
◀ To reduce bass
▲▼ To move to next

TREBLE

The Treble level adjustment feature allows you to raise or lower the level of higher frequencies in the TV's sound.

▲▼ To TREBLE
▶ To increase treble
◀ To decrease treble
▲▼ To move to next

BALANCE

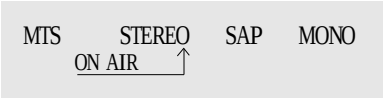
The Balance adjustment feature allows you to center the TV's sound to your needs.

▲▼ To BALANCE
▶ To shift the speaker balance to the right
◀ To shift the speaker balance to the left
▲▼ To move to next

MTS (Multi-Channel Television Sound)

MTS technology gives you a choice among stereo, mono, and Second Audio Programs (SAP).

▲▼ To MTS
◀▶ Select the mode



(The ON AIR arrow tells you if the current signal contains Stereo or SAP)

Note: Keep the TV in STEREO mode to get the fullest sound quality.

Note: SAP will allow you to hear an alternative soundtrack, if available.

Note: Choose MONO to reduce excess noise in a program or channel.

Some Sound Advice

You can tell if a program is broadcast in stereo by the position of the ON AIR arrow in the MTS menu. Unfortunately, it is common for some cable companies to squash the transmission of stereo programs to mono because they only have mono equipment. If your TV is connected to a cable system, the sound is at the mercy of that cable company — if they broadcast in mono, you receive mono sound regardless of the original stereo programming.

Fortunately, most programs that are broadcast in stereo are aired on the major television networks. If you connect your TV to an antenna instead of cable, and set the Tuner Mode in the Auto Tuner Setup to "Air" instead of "Cable," you will be able to pick up stereo broadcasts in stereo.

SET CLOCK

The Clock is the heart of all timer functions. The clock must be set before the timer functions to work.

If you ran TV Guide Plus+ Setup, and are receiving the TV Guide Plus+ signal, you cannot set the clock, TV Guide Plus+ sets it for you.

▲▼ To SET CLOCK

◀▶ To operate

```
TIME          12:34  AM

        START CLOCK
```

◀▶ To set the hour (AM/PM)

▼ To move to minutes

◀▶ To set the minutes

▼ To move to START CLOCK

when done with settings

◀▶ To start the clock

```
        THANK YOU !!
```

Note: If you attempt to “Start Clock” without setting the time you will receive this message:

```
INCORRECT TIME
PLEASE TRY AGAIN
```

Note: You can only set the Clock manually if TV Guide Plus+ is not operating. TV Guide Plus+ sets the clock for you, automatically, to the correct local time.

Continued above…

Continued from below…

CLOCK — ON/OFF TIMER MESSAGE

If you do not set the clock but attempt to use the On/Off Timer, you will get the following message:

```
POWER INTERRUPTED
 WOULD YOU SET CLOCK
        FIRST?

      YES
      NO
```

▼ To YES/NO

◀▶ Choose YES

```
TIME          --:--  --

        START CLOCK
```

Proceed to set the clock as in the previous column.

If you choose NO, you will receive the following message:

```
YOU CANNOT OPERATE
ON/OFF TIMER !
```

NOTE:

You must have the clock set to operate the On/Off Timer.

ON/OFF TIMER

YOU tell the TV to turn on and off. Use it as an alarm to wake up, as a program reminder, or to simulate that you're home when you're out of the house.

▲▼ To ON/OFF TIMER
◀▶ To operate

ON TIME		12 : 00 AM
OFF TIME		12 : 00 AM
CHANNEL		07
MODE	ONCE	EVERYDAY
ON/OFF TIMER		YES NO
	FINISH	

◀▶ To set the hour (AM/PM) you want the TV to turn on
▼ To move to minutes
◀▶ To set the minutes
▼ To accept ON TIME and to move to OFF TIME (set time again)
▼ To move to CHANNEL
◀▶ To select channel
▼ To move to MODE
◀▶ Choose ONCE or EVERYDAY
▼ To YES NO
◀▶ Choose YES for on, NO for off
▼ To FINISH
◀▶ To save settings

Note: A Timer Preview window will appear in the PIP, lower right corner of your screen, 7 seconds before the Timer changes the current channel to the timed program channel.

Note: In order for ON/OFF Timer to work, the clock must be set. After a power interruption, and before TV Guide Plus+ data is received, the clock will be cancelled.

Note: ON/OFF Timer cannot be set to locked or guarded channels.

SET LOCK CODE

The Lock Code locks and unlocks Channel Guard. Write this three digit number down and keep it where would-be viewers will not look for it!

▲▼ To SET LOCK CODE
◀▶ To operate

The padlock icon appears

Zero (*the access code is zero)*

LOCK CODE		0 0 0
	FINISH	

◀▶ To choose the first number
▼ To move to the second place
◀▶ To choose the second number
▼ To move to the third place
◀▶ To choose the third number
▼ To FINISH
◀▶ To save settings and exit

Note: If you forget the Lock Code you can set another one this same way.

Note: After a power interruption you must reset the lock code.

TV SPEAKER

You can listen to the TV speakers, or if your set is connected to a stereo, turn them off to listen to the stereo's speakers.

▲▼ To TV SPEAKER

◀▶ To turn the speaker ON or OFF

TV SPEAKER	ON	OFF

EXIT when finished

Note: TV Speaker will be cancelled after a power interruption.

Note: Before you set TV Speaker from Off to On, **make certain that the volume level is low!** If the volume is high, the sound will be extremely loud when you turn it on.

AUDIO OUT

Select fixed level or variable level audio output signals.

▲▼ To AUDIO OUT

AUDIO OUT	VARI	FIX

◀▶ To VARI or FIX

VARI: Adjust the volume of the external speaker by using the TV's VOLUME +/– button or remote control.

FIX: Adjust the volume of the external speaker with the audio device controls.

Note: When using external amplifiers and speakers, shut off the TV Speakers (above).

CLOSED CAPTION

If they are included in a program, you can view closed captions or text information.

▲▼ To CLOSED CAPTION

◀▶ To operate

CAPTION:	CC1	CC2	CC3	CC4
TEXT :	T1	T2	T3	T4
BACKGROUND:	BLACK	CLEAR		
FINISH				

◀▶ To select a caption channel (CC1 to CC 4)

▼ To accept that channel and move to TEXT

◀▶ To select a text channel (T1 to T4)

▼ To accept that channel and move to BACKGROUND

◀▶ To select BLACK or CLEAR

▼ To accept that selection and move to FINISH

◀▶ To exit and save settings

Note: Captions are usually found on CC1 and text on T1. The other caption and text channels are workable but are for future purposes.

Note: To activate the Closed Caption settings that you set here:

CLOSED CAPTION

(See page 40 for complete details on accessing these settings with the CLOSED CAPTION button.)

NOTE:

Regarding the operation of the Language feature, refer to page 17.

DISPLAY

The onscreen display shows the current status of timers and inputs.

DISPLAY

```
07 WABC
NOW                    12:20 PM
SLEEP TIMER              OFF
ON/OFF TIMER           EVERYDAY
    ON TIME             7:00 PM
    OFF TIME           10:00 PM
```

- ❑ The channel or AV input (Ch. 07)
- ❑ Current time (12:20 PM)
- ❑ Sleep Timer minutes remaining (Off)
- ❑ On/Off Timer status (Everyday, on at 7:00 PM, off at 10:00 PM)

Note: Each press of the DISPLAY button changes the display mode:

DISPLAY → TIME → CHANNEL → OFF →

If you select time or channel, the time or channel (or video input) will remain on the screen.

CLOSED CAPTION

View the closed captions or text when included in a program.

CLOSED CAPTION

CC → TEXT → OFF →

Note: For more information see page 39.

Note: To access a captioning option or to turn one off, allow the display to remain on screen until it disappears. In a few seconds the captions will start.

Note: CC2, CC3, CC4, T2, T3, and T4 are functional, however, they are for future purposes.

Note: If a black box covers 80% of the screen, Text Mode is on. Press CLOSED CAPTION to turn it off.

Note: Closed captioning may not correctly operate when the signal received is faint or when you are playing a video tape.

VIDEO STATUS

The VIDEO STATUS button lets you select the "Choice" settings of the Set Video Status menu, or reset to factory settings.

"Standard" resets the picture settings to factory standard levels.

"Choice" consists of the settings that you saved in the Set Video Status menu, page 35.

"Theater" for a film-like look to video.

VIDEO STATUS

CHOICE → THEATER → STANDARD →

SLEEP TIMER

The Sleep Timer turns off the TV for you in case you fall asleep. Program it to work in intervals of 15 minutes up to 180 minutes.

SLEEP TIMER

0 15 30 45 60 75 90 105 120 135 150 165 180

SLEEP TIMER MESSAGE:

20 seconds prior to the automatic shut-off, this message will appear:

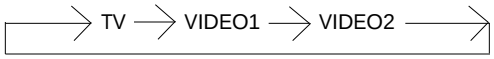
```
GOOD NIGHT ! !
PUSH SLEEP TIMER BUTTON
TO EXTEND.
```

You then have 20 seconds to press the Sleep Timer button to delay turn off for another 15 minutes.

HYPER SURROUND
Create a deep, 3-dimensional sound effect by channeling the sound through the TV's front firing speakers.

TV/VIDEO
TV/INPUT controls the TV's input mode.

TV/VIDEO



100 +
The 100+ button lets you access all channels above Channel 99.

To move to Channel 124:

100+

2 (two)

4 (four)

VCR BUTTONS
Slide the 2-Way Mode Selector to TV and this remote will control your VCR. You can play, rewind and fast-forward, record, pause, stop, move channel up and down, and power on and off.

Note: To set the manufacturer's code for a VCR other than a JVC brand VCR (page 14).

Note: When you record a channel, press the PLAY button while continuing to hold down the REC button.

MENU BUTTONS
The MENU buttons allow you to control the options located in the menu screens. A complete discussion of these buttons and the menu system is located on page 32.

MUTING
The MUTING button turns the sound off completely when you press it. Press it again to restore the volume to the previous level.

RETURN+
There are two kinds of Return…

Return+ — Set a "Return Channel" to return to after scanning with CHANNEL -/+.

RETURN+ and hold for 3 seconds

RETURN CHANNEL
PROGRAMMED !

Scan with CHANNEL -/+

RETURN+

Note: To cancel a Return channel, press and hold Return+ for another 3 seconds until "Return Channel Cancelled!" appears.

Return — Return to the last channel viewed after moving to another channel via the 10 key pad.

RETURN+

Move to another channel with the 10 key pad.

RETURN+

Note: When PIP is on, the RETURN+ button function affects only the main screen.

NUMBER BUTTONS
10 KEY PAD
Change channels with the 10 key pad.

For example, to move to Channel 7:

0 (zero)

7 (seven)

NOTES :

You can find another discus - sion of Return and Return+ on page 13.

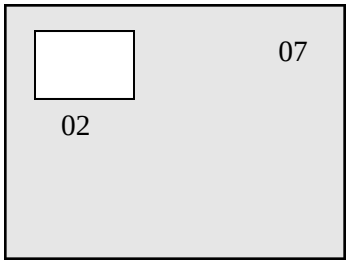
NOTES:

When you turn off the TV, PIP automatically turns off too.

PIP (Picture in Picture)

PIP allows you to view two pictures simultaneously.

(PIP) ON/OFF



(PIP) ON/OFF to turn PIP off

Note: The PIP channel and main screen channel will appear in the display momentarily right after you turn on PIP. You can leave them up permanently by pressing DISPLAY until you reach the mode.

Note: The PIP Screen is 1/9 of the regular screen size.

CHANNEL –/+ For PIP

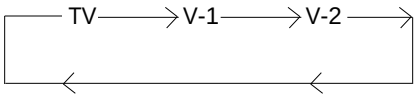
Change the channel in the PIP window.

CH –/+

SOURCE

You can select the source for the PIP window.

SOURCE



FREEZE

You can freeze the picture in the main screen into the PIP window.

FREEZE

Note: When the PIP is off, pressing FREEZE takes a snapshot of the main screen and puts it into the PIP window… great for catching those mail order addresses.

Note: When the PIP is on FREEZE stops the PIP picture.

SWAP

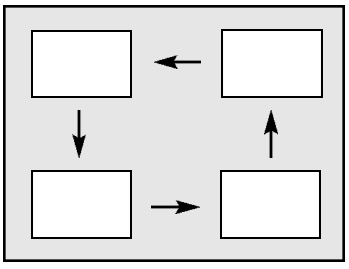
You can swap the PIP picture and the main picture.

SWAP

MOVE

You can move the PIP window to any of the TV's four corners.

MOVE



Note: Each press of the MOVE button will shift the PIP window one position.

PROBLEMS	CHECK
No power	• See if the power cord became unplugged. • Perhaps you have experienced a blown circuit breaker or fuse or a power outage.
No picture or sound	• The antenna could be disconnected. • The Input mode (TV or video) could not be set properly, refer to page 41. • The tuner mode (in the menu selection) could be set improperly, refer to page 17. • The station may be having difficulties, check to see if other channels are operating normally.
Remote control is not operating	• Check that the batteries are still working and properly installed. • Make sure there are no objects blocking a clear path from the remote to the TV. • Check that the 2-way mode selector switch is in the proper position — set to TV to view television.
You cannot select a certain channel	• Maybe you are too far from the TV, you must be within 23 feet (or 7 meters). • Make sure the channels are programmed. See Channel Summary, page 34. • Perhaps the channel is locked, select it with the 10 key pad and follow instructions.
Power turns off	• Perhaps the On/Off Timer is set, press the power button, check page 38. • The power was interrupted or the power cord unplugged. • The Sleep Timer may be set, see page 40.
The clock is wrong	• TV Guide Plus+ information has not been downloaded, begins page 18.
PICTURE	**CHECK**
Poor color quality	• Tint and color may be improperly adjusted. Check page 35. • Video Status mode may be set to an inappropriate setting. Check page 35.
Lines or streaks across the screen	• There could be interference from another energy consuming appliance, such as a computer, another TV or VCR. Move any other such appliances farther away from the TV.
Spotted picture	• There could be interference from a running high wattage appliance such as a hair-dryer, vacuum cleaner, or neon sign. You will have to move the antenna away from the source of the interference or change it to a coaxial cable which is less prone to interference.
Double picture (Ghosts)	• A building or airplane can reflect the original signal producing a second, delayed one. Adjust the antenna position.
Snowy picture/ Image noise	• The antenna may be damaged, disconnected or turned. Check the antenna connection, pages 7 to 8. If it is damaged, you will have to replace it.
Screen is 80% black	• Closed Caption Text Mode is on. Press the CLOSED CAPTION button until you select Off.
SOUND	**CHECK**
Bilingual or stereo programs can't be heard	• Make sure the MTS mode is properly set. Refer to page 36 for details on setting MTS Modes.
No sound from TV speakers at all	• TV Speakers may be turned off in the menu, see page 39.
NOT A PROBLEM	**DON'T WORRY ABOUT THIS, IT'S NORMAL**
Static electricity	• It is normal to feel a surge of static electricity if you brush over or touch the screen.
Occasional crackling sounds	• It is normal for the TV to emit crackling sounds when turned on or off. Unless the sound or picture become abnormal, this is fine.

LIMITED WARRANTY

JVC

For Canadian model televisions, see separate sheets for Warranty/Garantie and JVC Authorized Service Centers in Canada.

JVC COMPANY OF AMERICA warrants this product and all parts thereof, except as set forth below TO THE ORIGINAL PURCHASER AT RETAIL to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original purchase for the period as shown below (the "Warranty Period"). The picture tube is covered for two years.

Model No.	Serial No.	Parts	Labor
		1 YEAR	1 YEAR

This limited warranty is valid only in the fifty (50) United States, The District of Columbia and the Commonwealth of Puerto Rico.

JVC WILL:

If this product is found to be defective, repair or replace defective parts at no charge to the original owner. Such repairs will be made during regular business hours only at JVC authorized service centers. All parts repaired or replaced are warrantied for the remainder of this Warranty Period only. All products and parts should be brought to an authorized service center on a carry-in basis except for those models with a screen size larger than 25 inches which are covered on an in-home basis.

YOU MUST:

• Return your products to a JVC authorized service center with a copy of your bill of sale. For the authorized JVC service center nearest you, call toll free (800) 252-5722.

• If service is not locally available, box the product carefully, preferably in its original container, and ship it, insured, to the nearest authorized service center with a copy of the bill of sale and a letter of explanation as to the problem. Call the toll free number above for the address.

WHAT IS NOT COVERED:

1) Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if connected to any attachment not provided with the products, or if the model or serial number has been altered, tampered with, or removed;
2) Initial installation, removal for repair, and reinstallation after repair is not covered;
3) Operational adjustments covered in the Owner's manual, normal maintenance, video and audio head cleaning;
4) Damage that occurs during shipment, due to an act of God, or of consequence to cosmetic changes;
5) Signal reception problems and failures due to line power surges;
6) Video Pick-up Tubes/CCD Image Sensor, Cartridge, Stylus (Needle) are covered for 90 days from the date of purchase;
7) Accessories, and;
8) Batteries (except for rechargeable batteries which are covered for 90 days from date of purchase.)

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILTY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THIS PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long the warranty lasts, so these may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary state to state.

If you have questions concerning your JVC product, please contact our Customer Relations Department:

JVC COMPANY OF AMERICA
DIVISION OF US JVC CORP.
41 Slater Drive
Elmwood Park, New Jersey 07407

Refurbished products carry a separate warranty. This warranty does not apply for details of refurbished product warranty. Please refer to the refurbished product warranty information packaged with each refurbished product.

For Canadian model televisions, see separate sheets for Warranty/Garantie and JVC Authorized Service Centers in Canada.

CALL TOLL FREE (800) 252-5722

1) **To locate the JVC Authorized Service Center nearest you.**
2) **To purchase parts or accessories.**
3) **For customer relations or hook-up assistance.**
4) **To locate the JVC authorized dealer nearest you.**

JVC SERVICE & ENGINEERING COMPANY OF AMERICA
DIVISION OF U.S. JVC CORP.

FACTORY SERVICE CENTER LOCATIONS

Dear customer;

In order to receive the most satisfaction from your purchase, read this guide before operating the unit, and before calling for service make sure you check the Troubleshooting pages at the end of this book. In the event that repair is necessary, or for the address nearest you, please refer to the factory service center list below, or within the continental United States, call the toll free number above for an authorized service center. Remember to retain your bill of sale for warranty service.

107 Little Falls Road
Fairfield, NJ 07004-2105
(201) 808-9279

1500 Lakes Parkway
Lawrenceville, GA 30243-5357
(404) 339-2522

705 Enterprise Street
Aurora, IL 60504-8149
(708) 851-7855

5665 Corporate Avenue
Cypress, CA 90630-0024
(714) 229-8011

10700 Hammerly Suite 110
Houston, TX 77043
(713) 935-9331

2969 Mapunapuna Place
Honolulu, HA 96819-2040
(808) 833-5828

230 Eliot Street
Ashland, MA 01721-2377
(508) 881-5923

8192 State Road 84
Davie, FL 33324
(954) 472-1960

890 Dubuque Avenue
South San Francisco, CA 94080-1804
(415) 871-2666

Sophisticated electronic products may require occasional service. Just as quality is a keyword in the engineering and production of the wide array of JVC products, service is key to maintaining the high level of performance for which JVC is world famous. The JVC service and engineering organization stands behind our products.

National Headquarters
JVC Service & Engineering Company of America
Division of U.S. JVC Corp.
107 Little Falls Road
Fairfield, NJ 07004-2105

THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS TV! TO PREVENT ELECTRIC SHOCK, DO NOT OPEN CABINET AND DO NOT ATTEMPT TO SERVICE THIS TV YOURSELF.

SHIPPING INSTRUCTIONS

- Pack the TV in the original carton or one of equivalent size and strength. Use the original foam cushions or equivalent padding.
- Enclose a letter of explanation stating the problem that exists and a copy of the bill of sale.
- Print your home address on both the outside and inside of the shipping carton.
- Send to address nearest you in the list above.

S P E C I F I C A T I O N S

Type	Color Television		
Reception Format	NTSC system, BTSC system (Multichannel Sound)		
Reception Range	VHF 2 to 13, UHF 14 to 69 Sub Mid, Mid, Super, Hyper and Ultra bands (181 channel frequency synthesizer system)		
Power Source	AC 120V, 60Hz		
Power Consumption	135 W / 1.9 A		126 W / 1.8 A
Screen Size	36”/90 cm measured diagonally, full square	32”/80 cm measured diagonally, full square	27”/68 cm measured diagonally, full square
Audio Output	3W + 3W		
Speakers	3 3/16” x 4 3/4” 8 x 12 cm oval x 2	2” x 4 3/4” 5 x 12 cm oblong x 2	
Antenna Terminal	75 ohms (VHF/UHF) terminal (F-type connector)		
External Input Jacks	Video: 1 Vp-p, 75 ohms Audio: 500 mVrms (-4 dBs), high impedance		
S-Video Input Jacks	Y: 1Vp-p positive, 75 ohms (negative sync provided) C: 0.286 Vp-p (burst signal), 75 ohms		
Audio Output Jacks	More than 0 to 1550 mVrms (+6 dBs), low impedance (400 Hz when modulated 100%)		
IR Mouse/G-Link Jack	3.5 mm mini jack x 1		
AV Compu Link Jack	3.5 mm mini jack x 1		
Dimensions (inches) (W x H x D) – (cm)	33 7/8 x 30 1/8 x 23 3/4 86.0 x 76.5 x 60.3cm	30 1/4 x 26 1/4 x 21 1/2 76.8 x 66.7 x 54.7 cm	25 3/4 x 23 3/8 x 20 1/2 65.4 x 59.1 x 51.8 cm
Weight (lbs.) Weight (kg.)	149.2 (lbs.) 67.8 (kg.)	112.2 (lbs.) 51.0 (kg.)	76.8 (lbs.) 30.8 (kg.)
Accessories	Remote control x 1 • AA batteries x 2 IR Mouse x 1 • Double Sided Tape for IR Mouse x 2		

Specifications subject to change without notice.

*VCR Plus+, PlusCode and Guide Plus+ are trademarks of Gemstar Development Corp. TV GUIDE is a trademark of TV GUIDE Financial, Inc. The VCR Plus+ and TV Guide Plus+ systems are manufactured under license from Gemstar Development Corp. and VCR Index Systems B.V., respectively.

N O T E S

JVC COMPANY OF AMERICA
A Division of U.S. JVC CORP.
41 Slater Drive
Elmwood Park, New Jersey 07407

JVC CANADA, INC.
21 Finchdene Square
Scarborough, Ontario
Canada M1X 1A7

LCT0135-001A-A
0498-TN-JII-JIM